RAILWAY

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1208.—Vol. XXVIII.

LONDON, SATURDAY, OCTOBER 16, 1858.

(SUPPLEMENT) (STAMPED.....SIXPENCE.

R. JAMES CROFTS, MINING AND SHAREBROKER,

a orders confided to him.

Choor's refers the readers of the Journal to his article on the changes and phase
market, on page 678, in which will be found general and particular discussions or
slue of mining property, on, or irrespective of, the market; his opinions being
d by experience, but not offered as infallible. He will be happy to advise capisinto safe investments at all times. *a* Special business in Old Tolgus United and North Minera.

R. JAMES LANE, No. 29, THREADNEEDLE STREET, MINING SHARE DEALER.

AMES B. BRENCHLEY, 19, TOKENHOUSE YARD, LONDON, transacts BUSINESS, as a BUYER or SELLER, in DIVIDEND and GRESSIVE MINES, for CASH.

ORESSIVE MINES, for CASH.

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50 Crebor.

1 Rosewarne.

IVIDEND MINES, well selected, are the BEST of all PUBLIC

INVESTMENTS, spring, as they do (in dividends every two or three months), 20 to 30 per cent. per annum. NON-DIVIDEND MINES, carefully chosen, estly advance in price 500 per cent. or more. TEE WATSON, having 14 years' experience in every department of mining and amagement, together with sun extensive and regular correspondence with mining and others in Cornwall, Devon, and elsewhere, is enabled to judge of and select intertence value.

SPECIAL REPORT (WEEKLY) WILL APPEAR IN PETER WATSON'S" MINING CIRCULAR," by his own Agents. ABRIDGED RTS will also be given, and important information on the present and future operated by the superscript of the stronghout Cornwall and Devon, with advice thereon schase or sale of shares. So who desire to have copies regularly sent them will be supplied for an annual rigition of £1 is., or 6d. per copy.

giah and Foreign Stock, Share, and Mining Offices,

3, Old Broad-street, London, E.C.

HEAL ADDAMS.—A SPECIAL REPORT published in PETER WATSON'S MINING CIRCULAR AND SHARE LIST of yesterlay.

OSEWARNE UNITED.—A SPECIAL REPORT will be published in PETER WATSON'S CIRCULAR next Friday.

ENDRON CONSOLS AND LEWIS MINES.
Office of reference, at Mr. PETER WATSON'S, 3, OLD BROAD STREET.

R. H. B. RYE DOES NOT ADVERTISE PRICES OF MINING SHARES, because the practice is highly prejudicial to mining enterprise, and blic interests. The prices advertised are no guide whatever in investing, and no seen be placed upon them. In consulting these advertised prices, it will always all that many eligible investments are WiLFULLY depreciated, and many rotten terly worthless concerns foisted upon the public. Mr. Rye begs, however, to state terly worthless concerns and practical experience extending over 18 years, he is do offer the soundest advice regarding LEGITIMATE investments, and to transcess upon terms most advantageous to his clients.

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FOLLOWING MINES, CHEAPER THAN ANY
el Consols.

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Hope United.

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West Favey.

West Fowey.

West Favey.

West Fowey.

West Masset.

Wheal Charlotte,

Wheal Jane.

Wheal Masgaret.

Wheal Masgaret.

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Wheal Masgaret.

Wheal Masgaret.

Wheal Mary Ann.

Wheal Mary Ann. Rosewarne United. Rosewarne Consols. South Cuddra. South Condurrow. South Lad soler and St. Anbyn.

South Condurrow.

South Toigus.

South Lady Bertha.

Wheal Addams.

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Sortridge Consols.

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Yarner.

revent any unnecessary delay, offers should be made tunmediately. Those most sended at present prices are—Providence, Mary Ann, Wheal Charlotte, West Seton, Wheal Margery, Tolvadden, Drake Walls, Buller and Basset United, Betl providence, Dipg. Dong, Byrntail, Downs, Wheal Kitty (Lelant), Besore, West Caradon, and Wheal Margaret.

STED the following:—2 Phenix, 5 Tincroft, 2 Basset, 1 West Wh. Seton, and Ideas. ler and St. Anbyn

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ITTES generally. BANKS, INSURANCE SHARES, LAND COMPANIES,
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10 Gt. Wh. Afred, £34.

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No. 1, ROYAL EXCHANGE BUILDINGS, LONDON, E.C., ENGLISH
AND FOREIGN STOCK, RAILWAY, AND MINING SHAREBROKER, begs to inform
his friends and the public that a FAVOURABLE OPPORTUNITY now offers itself to
capitalists for INVESTMENT in many undertakings of a substantial character, paying
large dividends. There are also others of a progressive character, well deserving attention.
Every information can be obtained at his offices, which his practical experience enables him to give respecting all mines worthy of consideration.

MESSRS. POWELL AND COO MINING AGENTS, Dated October 16, 1858.

JAMES HERRON has FOR SALE the following SHARES, at the prices quoted, and FREE OF COMMISSION:—

The prices quoted, and FREE OF COMMISSION:—

5 Bryntall, 254.

10 Boiling Well, 22s. 6d.

50 Castell, 2s. 9d.

20 Cwm Sebon, 23s. 9d.

20 Cwm Sebon, 23s. 9d.

20 Cwm Sebon, 23s. 9d.

20 Lighà & Went., £3 15s.

10 Drake Walls, 23s. 9d.

10 Drake Walls, 23s. 9d.

10 Drake Walls, 23s. 9d.

20 E. Frovidence, 20s.

5 East Russell, £6 2s. 6d.

20 East Rosewarne, 5s. 9d.

1 Grambler, £135.

5 Great Alfred.

20 Garreg, 6s. 9d.

20 Graw Hewas, 12s. 6d.

20 Grav Hewas, 12s. 6d.

20 Grav Hewas, 12s. 6d.

21 Consult Traces.

22 Nantess & Penrhiw, 24s.

23 No. Downs, £1 17s. 6d.

24 No. Downs, £1 17s. 6d.

25 North Frances.

26 North Minera, £85s.

27 No. Downs, £1 17s. 6d.

28 Nosewarne United.

28 Nosewarne United.

28 Rosewarne United.

11 Sortridge Consols.
70 So. Lady Bertha, 4s. 9d.
20 Tamar Consols.
20 Tincroft, 23 12s. 6d.
10 Treweaths, 17s. 6d.
3 Troisway, £26 6s.
25 Vaic of Towy.
30 Virtuous Lady, 4s. 6d.
1 Wh. Mary Ann. £46½.
1 Wheal Basset, £205.
5 Wheal Margery, £10½.
10 Wh. £40ward, £3 7s. 6d.
5 West Basset.
10 Wheal Zion, 2s. 9d.
10 West Providence, £1½.
20 Wheal Margery, £207½.
20 Wheal Margery, £207½.
20 Wheal Margery, £207½.
20 Wheal Margery, £200¾.
20 Wheal Tar Cons., 11s. 9d.
y, £25, 50 Bryntail, £4½;

10 Hings, Down, £5 2s. 6d. 5 Ramsley Hill, £2%. 20 West Par Cons., 11s. 9d. And is a BUYER of Wheal Basset, £195; 5 Treiawny, £25; 50 Bryntali, £4½; 1 Great Devon Consols; and 5 Wheal Margery.

There is no doubt that the majority of the brokers in the Mining Market are opposed to the system of advertising prices, upon the grounds that it occasionally frustrates transactions on the tapis, and in some cases renders clients discontented with business already completed. But was not a similar result produced by the practice of furnishing a daily list to the press? In fact, to such an extent did the evil increase that the Mining Exchange determined it should be discontinued. But did this occasion an increased amount of business? Quite the contrary, thus proving that the public will not only not countenance conceniment, but will insist upon publicity.

Mr. Hernos, perfectly coinciding with the view taken by the public, will continue his list as usual, taking care to make it worthy of support, by only inserting those shares which are entrusted to him for bona fide sale. By so doing, he is confident he will, as heretofore, receive from the public a satishatory amount of patronage.

MESSRS. VIVIAN AND REYNOLDS, MINE AGENTS,
68, OLD BROAD STREET, LONDON, E.C.
Messrs. VIVIAN and REYNOLDS are episted, through the long experience of Mr. W. C.
Vivian as an underground agent and most important mining districts; and to inspect and
countries, to afford information—most important mining districts; and to inspect and
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MR. R. H. M. JACKMAN, MINING AND SHAREBROKER, 2, ADAM'S COURT, OLD BROAD STREET.

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20 Wheal Crelake (Tristiock), at £2. Thismine bids fair to become a very valuable property, the operations being carried on most vigorously, and at the present time they are within 6 ms. of the valuable ore ground dipovered at surface, said to be worth £100 per fm., and which is computed at from 50 to 10 fms. in length from the boundary.

per fm., and which is computed at from 30 of bills.

2 Bast Basset.

2 South Wheal Frances.

2 Providence, £68.

20 Nest Grenville.

20 Lady Bertha, £1.

20 Lady Bertha, £1.

20 Lady Bertha, £1.

20 Lady Bertha, £1.

20 Treweatha, [2s. 64.

25 Wheal Wrey.

25 Wheal Wrey.

26 Abel Harlett.

26 East Providence, £5s.

36 Mr. Richards is a BUYER of Raven Rock late North Tavy) and 20 Wheal Arthur.

MR. H. HUXHAM, COLLIEY VIEWER AND MINING ENGINEER, UNDERTAKES the STRVEYING, VALUING, OF AGENCY OF MINERAL PROPERTY, the WINNING, WHKING, OF VIEWING OF COLLIERIES &c., on moderate terms; and begs to assure fose who may favour him with their communds that all business cutrusted to his chige shall receive prompt attention, and be secured with the utmost fidelity and care. Esserences and testimonials of the highest

executed with the control of the con

retical mining engineering.—Cwm Rhondad, ont-y-pride.

FIFTEEN to TWENTY, and even TWHTY-FIVE PER CENT. PER ANNUM upon current value of shares, in COIISH TIN and COPPER MINES.

Dividends payable twopouthly or quarterly.

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Cornish Mines, well selected, pay better an any other description of securities, are freer from risks, and entail less responsibiles than banks and other joint-stock companies. Shares bought and sold on commitpen of 2½ per cent.

Money advanced at 10 per cent. annually riskry or of long periods, upon approved Mining Shares.—4, Austimiriars, Old Broad-stry, London, E.C.

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which this iron has been submitted by engers and railway companies during several
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PATENT IMPRODUCE WIRE ROPE.
SOLE MADS TO THE
LORDS OF THE ADMIRALTY, THE ENCH AND TURKISH GOVERNMENTS,
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ROUND and FLAT ROPES of every cription, suitable for mining operations or other purposes, GALVANISED or UNGVANISED, MANUFACTURED upon the newestand most improved machinery, ensuggreater pliability, valuability, and est strength and is admitted by the principal coal proptors to be far superior to any other kind of wire-rope. The superiority of these rope er hempen ones, to point of strength, lightness, durability, and cost, is admitted by who have tried them.

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IS MINING FOR METALLIC ORES A LEGITIMATE AND PROPITABLE CHANNEL FOR INVESTMENT? OR IS IT NOT? FACTS AND FIGURES.

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TO MINING AGENTS.—An INDIVIDUAL of EXPERIENCE WISHES EMPLOYMENT connected with a MINING CONCERN in LONDON, or with one or more influential capitalists. He has the disposal of first-class mining property, with water-power, abroad, which has been in progress of successful development on a limited scale for several years past.—Address, "J. P.," at Messrs. Everett page Song 17, Royal Exchange. and Sons, 17, Royal Exchange

TO ENGINEERS AND MANUFACTURERS OF HEAVY IRON GOODS.—The PROPRIETORS of a VALUABLE PATENT, which they use in their own trade, are DESIROUS of GRANTING LICENSES to other manufacturers. The invention applies to all cases where it is desired to produce a grew in castion.—Apply by letter only, 884, Midland Counties Herald office, Birmingham.

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AS PART NER.—WANTED, a steady WORKING MAN, of good character, who THOROUGHLY UNDERSTANDS a COLLIERY, and also the MAKING of FIRE-BRICKS, DRAINING and RIDGE TILES, and who can command a small capital, to Join the ADVERTISER as PARTNER in WORKING a small BRICK MANUFACTORY and home-sale COLLIERY. Dwelling and works free of rent or royalty.—Apply by letter to "C. J.," 20, Grosvenor-street, New-road, Chester.

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WANTED, by a RESPECTABLE AGENT, of business habits, a SITUATION as SAMPLER, ASSAYER, or CASHIER to a COPPER COMPANY. Has a thorough knowledge of every department in the copper trade, and is well conversant with mining and mine accounts.—Address, "X. Y. Z.," Mining Journal office, 26, Fleet-street, London, E.C.

WANTED TO BORROW, THREE HUNDRED POUNDS, on good personal security, at moderate interest.—Address, "A. H.," Mining on good personal security, at moderate interest.—Address, and office, 26, Fleet-street, London, E.C.

WANTED, a MANAGER for an ALKALI WORKS. He must be conversant with all the ordinary branches of the manufacture, and the ction of the works.—Address to Mr. John Kellett, Widnes Dock, Warrington

FINE SILVER WANTED, in QUANTITIES NOT LESS THAN ONE THOUSAND OUNCES, by a provincial bullion dealer. The addresses of smelters, producers, &c., are requested.—Address, "O. Z.," Mining Journal office, 26, Fleet-street, London, E.C.

B LENDE.—TWO HUNDRED AND FIFTY TONS
FOR SALE. Buyers can have samples by sending name and address to J. B.

FOR SALE,—50 Vale of Towy, 17s. 6d.; 20 West Grenville, 9s.; 5 North Minera, £7; 40 Catherine and Jane, 4s. 3d.; 50 Molland, 1s. 3d.—Apply to "G. F.," 18, Southampton-place, Camberwell.

SPECIAL APPEAL TO THE HUMANE AND BENEVOLENT.—GEORGE SPRATLEY, lately a sharebroker in the City of London, has, through LOSSES and BEREAVEMENT, become an INCURABLE and HOPELESS LUNATIC. His Wife and FOUR CHILDREN (one only three months old) are by this dreadful calamity left UTTERLY DESTITUTE and helpless, and almost without the common necessaries of life.

A few gentlemen who knew and respected the stricken man have inserted this advertisement, in the hope that this and case may more widely meet the eye of the charitable and the benevolent, and cause them to give of their wealth to this family—to her who is more afflicted than the widow, and to the children who are wurse than fatheriess. Subscriptions will be thankfully received by Mr. Receive Hisberd, 20, Finch-lane, E.C.; or Barden Castello, Eq., Stock Exchange.

CHANCELLORSVILLE FREEHOLD GOLD MINING COMPANY.—FINAL NOTICE.—The holders of scrip in the above company are respectfully informed that the directors of the Anglican Smelting, Reduction, and Coal Company (Limited) have consented to FURTHER EXTEND the TIME for accepting the terms proposed by them to MONDAY, the 26th inst. No shares can be received after that date. Particulars may be obtained at No. 1, Great Winchester-street. London, October 11, 1858.

POBERT MUSHET'S ORE BLOOM STEEL, COMBINING ALL THE EXCELLENCIES OF CAST AND SHEAR STEEL, WITHOUT ANY OF THEIR DEFECTS. For all purposes to which steel can be applied, it is TWICE as DURABLE as the BEST SHEFFIELD CAST-STEEL at \$48. per cwt., and it requires no caution in tempering. Price, drawn to sizes, 70s. per cwt.—Apply to Robbert Musher and Co., Coleford, near Gloucester.

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NEAR STOKE-UPON-TRENT, STAFFORDSHIRE.
JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER.
Reference.—Professor Miller, King's College, London.

M.R. MURCHISON'S REVIEW OF BRITISH MINING FOR THE QUARTER ENDING 30TH SEPTEMBER IS NOW READY, price One Shilling, at 117, Bishopsgate-street Within.

TOLVADDEN MINE.—MR. MURCHISON'S QUARTERLY REVIEW, just published, CONTAINS a FULL REPORT on this MINE, by Capt. CHARLES THOMAS, of Dolcoath.

Price One Shilling. 117, Bishopsgate-street Within, E.C.

Original Correspondence.

MANUFACTURE OF PEAT GAS.

MANUFACTURE OF PEAT GAS.

Sir,—The construction and arrangement of the apparatus used here for the manufacture of peat gas is very simpe throughout; consisting of iron retorts, D-shaped, capable of containing about 4 cwts. of peat; which, for dispatch in charging, is divided into four, and stacked on iron crates; by this means a retort can be charged in a few minutes.

The gas is conveyed from the retorts through a series of pipes forming a condenser, arranged similar to a still; from thence it is passed through a vessel as washer, and purified with slaked lime, the same way as coal gas. There is no hydraulic main; the connection between the retorts and condensing apparatus being cut off by means of stop-valves.

The tar and ammoniacal liquor is collected in tanks, the former being boiled down and mixed with refuse peat dust, and made into brick-shaped lumps, a portion of which is placed in each stack, so that the whole of the tar is again converted into gas. The ammoniacal liquor is both abundant and very rich, yielding about 120 gallons per ton.

In extracting gas from 1 ton of peat, an additional ton is required as fuel for heating the retorts. From various experiments, I have found that this quantity of Dartmoor peat (2 tons) will produce on an average—7600 cubic feet of gas, 560 lbs. of charcoal, 120 gallons of ammoniacal liquor, 280 lbs. of ashes. A mixture of the three last-named articles makes a most excellent manure. This compost, together with the waste lime, is used on the farm connected with this establishment.

For particulars as to the cost of manufacturing, &c., I beg to refer you to the report of the Governor of this Prison, contained in the Parliament.

used on the farm connected with this establishment.

For particulars as to the cost of manufacturing, &c., I beg to refer you to the report of the Governor of this Prison, contained in the Parliamentary Reports of the Directors of Convict Prisons for the year 1853, p. 172; 1854, p. 207; 1855, p. 170; 1856, p. 254; 1857, 212. Also, see page 36 of Report on the Means of Deodorising and Utilising the Sewage of Towns, by Mr. Henry Austin, C.E., Inspector of the Board of Health.

Dartmoor Prison, Oct. 14.

H. WATTS, Engineer.

PEAT GAS.

SIR,—I notice some remarks, by "L. F.," on the letter of mine which you were good enough to insert in your Journal on Mr. R. L. Johnson's peat gas manufacture. Mere denial is not argument; and to prove me wrong some counter calcutation should have been given. It is, however, quite evident "L. F." does not practically understand what he has ventured to retrieve bear in the control of the contro tured to write about.

quite evident "L. F." does not practically understand what he has ventured to write about.

I do not believe in philanthropy in business; and, therefore, it is mere rhodomontade to say that Mr. Johnson's invention is "quite as much to benefit the poorer classes, by creating a demand for peat," &c.; for unless Mr. Johnson can make either as good or better gas at the same or less cost from peat as from coal, neither Englishmen, Scotchmen, or Irishmen, will give it the preference. I further maintain, that it is childish to suppose that men of business, when they invest capital in a concern, be the article gas or cloth which has to be manufactured, they do not charge interest of capital expended on the factory, in calculating the prime cost of that which is produced! If "L. F." build a house costing 1000l., he would debit himself with 50l. per year, at least, as rent or interest on capital. So with any person putting up a gas apparatus costing 100l., 5l., on the same principle, should be put down as interest; and whatever may be the quantity of gas produced, whether 26,000 cubic feet per year (as in Mr. Wilson's case), or 365,000 cubic feet, it must form part of the cost of the gas as a matter of course, and will either add about 4s. per 1000 in the one case, or 4d. per 1000 in the other, entirely depending upon consumption.

"L. F." gives a description of Mr. Johnson's retort; I can only say that it is similar in principle to twenty others which have been tried during the last quarter of a century; and Mr. Johnson claims in his specification that which they have claimed,—the suspension of the condensible vapour in incandescent material until it is converted into a permanent elastic gas.

"L. F." save he "should think" a suitable apparatus, having a retort."

which they have claimed,—the suspension of the condensible vapour in incandescent material until it is converted into a permanent elastic gas. "L. F." says, he "should think" a suitable apparatus, having a retort 6 feet long, 20 in. wide, and 21 in. deep, could be provided for 50%. Now, this retort ought to produce in an ordinary day's working 1000 cabic feet of gas at the least; and I know that with hydraulic main, condenser, washer or scrubber, purifier, gasholder, brick tank, and suitable buildings, the outlay will be nearer 200%, than 50%. But this is irrelevant to the point under discussion, and I am willing to acquiesce in "L. F.'s" statement, that "the cost of peat and coal gas apparatus is about equal."

With regard to the "extremely unfair statement," I would ask—In what is it unfair? I repeat the statement to which this epithet applies which I made in my last letter, that "in any part of Ireland I engage to produce as much light from cannel coal at half the cost of that which can be produced from peat." And the only condition I make is, that the number of lights to be supplied shall be equal, and the accounts to extend over a

duced from peat." And the only condition I make is, that the number of lights to be supplied shall be equal, and the accounts to extend over a definite period.

"L. F." jumps to the conclusion that I am hostile to Mr. Johnson. I am nothing of the kind: on the contrary, I should be delighted to learn, either from him or from any one else, how to make as cheap a light from peat as from coal, the price of the latter being under 30s. per ton; if so, I would not at the present moment be engaged in the erection of coal gas works in several towns in Holland, the very land of peat, and where all the coal used has to be imported from England.

I am a gas engineer, and it does unfortunately occur, that if two persons engaged in the same business or profession happen to take different views

I am a gas engineer, and it does unfortunately occur, that if two persons engaged in the same business or profession happen to take different views as to the mode in which results may be obtained, the party attacking is considered at once an enemy to him attacked. Once for all, therefore, whether this discussion shall now cease or be prolonged, I have not the slightest intention or desire to say a word against Mr. Johnson personally, for I cannot. I am simply stating that the system which he has adopted is as old as gas lighting itself; and I am dealing with systems, not men.

In your last Journal some gentleman writes that Dartmoor Prison has been lighted for six years with peat gas, doing away at once with the originality of Mr. Johnson's alleged "discovery."

If "L. P." will furnish me, through the Journal, with the illuminating power of peat gas; the price of peat on an average in Ireland, perfectly dried; the quantity of gas obtained per ton, and the amount required for fuel to heat the retorts, we shall then have a base to work upon furnished by himself.—Oct. 12.

by himself.—Oct. 12.

MANUFACTURE OF IRON.

MANUFACTURE OF IRON.

Sirk,—Mr. Jones says he has given the yields of coal and coke in the Welsh blast furnaces, but it must be a very incomprehensible one, as not having come under my notice. Perhaps it may be in my not being sensitive enough to discern such cross-grained statements. But to rehearse a little of the first of the question at issue, which appeared in the latter part of the first article on July 31 last, which is, that in the first part of the Proceedings of the South Wales Institute of Engineers, the president states that a member of the institution—a blast furnace manager—had furnished him with a statement of the furnace makes and yields of coal in one of the neighbouring works. The average make of pigs per furnace in the year ending March, 1857, was upwards of 212 tons 10 cwts. per week long weight—that is, 21 cwts. of 120 lbs. to a ton; and that the quantity of coal consumed to the ton of pig-iron, including blast engines, hot-blast stoves, and calcining kiins, was 22½ cwts. of coal. In which statement I proportioned the quantities to the several places in the following manner.—1. Can the engines be kept up at a proper working speed under 6 cwts. of slack to the ton of pigs, slack to be used only?—2. Hot-blast stoves, 4 cwts. fine and rough slack.—3. Calcining kilns, 3½ tons of raw ironstone nearly to the ton of pig will require 10 cwts. of rough slack; as the South ironmasters use those running out kilns, a little under this may be used where they are adopted, as the last of the calcined mine is taken away fresh stone is immediately charged into them, so that the heat of the kilns assists to reduce the amount of slack, &c., required. In the three items before us is 20 cwts. of rough and fine slack. Now, to cast this into coal, say 10 cwts., allowing one-half, and this deducted from 22½ cwts., leaves 12½ cwts of coal to be charged into the furnace to produce a ton of pigiron. Was ever such heard tell of before?

Now, to vindicate the truthfulness of the above statement, Mr. Jones goes on to ar

iron. Was ever such heard tell of before?

Now, to vindicate the truthfulness of the above statement, Mr. Jones goes on to argue that, on account of the great economy exercised in the conducting of the Welsh blast furnaces, by consuming the waste guses, 22½ cwts. of coal will produce a ton of pig-iron; and in calculating the percentage of sulphur contained in the Welsh cinder pig, he takes 24 cwts. of coal as the amount required to the ton of pig. There may be some hesitation in coming to the conclusion as to what number of pounds their ton is composed of, for no one can swallow such a bugbear as to its being the bona fide weight of 21 cwts. of 120 lbs. to the ton, but will at once conclude that it is Poor Jack, the miner's ton of 3600 lbs., or the bona fide weight of 30 cwts. to the ton. But, for argument's sake, grant it that such economy is exercised in the consumption of coal to the ton of pig, it is

solely at the cost of a low carbonised white iron; and, as a proof of which, I will repeat the words of Mr. Charles Sanderson, of Sheffield, before the Society of Arts:—" I have been told by the chief managers of two of the largest Welsh works that they had on an average throughout the year consumed 28 cwts, of pig-iron in the production of every fon of puddled bars for railway iron. If, therefore, economy is to be made in the manufacture of malleable iron, it must be by a reduction in the waste of metal." And Mr. Blackwell, in his paper "On the British Tron Manafacture," read before the same society on Jan. 11 last, points out the sources of some of the losses sustained by ironmasters in this country and in Wales, especially from imperfect smelting; further on, the same author cited as a proof of the faultiness of the present modes of operating, that in some of the largest iron-making districts of Great Britain the production of 1 ton of inferior wronght-iron was only obtained by the consumption of 11 ton of pig-iron. And, to bring it home to Mr. Jones in as kindly a manner as possible, I will quote the words of Mr. S. B. Rogers, which may stand as a convincing proof of the mastefulness of minerals in the Welsh district, and not the strict economy, as vindicated by those who know no better. This author, in the Engineer of June 25 last, states that 45,000 tons of commoni forge pig does not yield more at many works than 33,000 tons of an inferior kind of bar iron, or at the rate of 127½ cwts. to the ton of puddled bars. With regard to the waste carried on in the working of coal, he states it at the rate of 1,200,000 tons annually. And to come near to the practical point, I will quote a sentence or two from a Cwm Avon "Old Puddler," in the Journal of Sept. 11, wherein he states—"But nuless the furnace manager knows how to husband the little carbon they have in the iron, so as to judiciously mix all pig-iron intended to be puddled, that each portion may have a fair share of that most essential ingredient, neither

WELSH AND NORTH COUNTRY COAL

WELSH AND NORTH COUNTRY COAL.

SIR,—The several experiments which have hitherto been made with a view to ascertain the relative heating power of North Country and Welsh coal have tended rather to create an ill feeling between the rival coal owners than to confer any real benefit on the public. Consumers generally are at a loss to know whether the advantage to be derived from the use of Welsh coal is equal to that obtainable from North Country, or vice versa, and the consequence has been that the orders are given out in all directions, regardless altogether of the applicability of the coal to the purpose for which it is to be used, or of the construction of the furnace being suited to the nature of the coal. The importance of the question at issue between the two coal districts being fully discussed is admitted, but it is now thought that the best mode of proving the value of the respective coal would be to allow those interested to supply both coals and furnace, and then in the presence of Government officials show the quantity of water that can be evaporated by each. By this means it would be put out of the power of either party to complain that justice had not been done them, and both the coal and the inventive genius of the district would receive a fair share of encouragement. It appears certain that a furnace in every way suitable for encouragement. It appears certain that a furnace in every way suitable for North Country coal is not the most desirable form for Welsh coal, whilst North Country coal is not the most desirable form for Welsh coal, whilst a furnace that will produce excellent results with Welsh coal would make North Country coal appear comparatively worthless. Such a course as that proposed would change the existing feeling of petty jealously into one of justifiable emulation, as suitable furnaces and competent stokers have nearly as much to do with the economical production of steam power as good and cheap coal. Let us but compare the results obtained by two stokers, the one careful and the other negligent, and the truth of the assertion will become at once apparent. The various kinds of coal w. Ad thus be brought into almost equal demand, as the price per ton at the place where they were to be employed would be taken more into consideration, and more confidence would be placed in the providing suitable appliances for obtaining economic results.

ONE INTERESTED.

ECONOMY IN LONDON DRAINAGE.

ECONOMY IN LONDON DRAINAGE.

SIR,—Will you allow me space in your Journal for a simple scheme of drainage which, so far as I know, has never been proposed. I carnot think the question quite settled in its present state, while eminent engineers differ as to the utility of the proposed costly works. If you think any advantage may accrue to the public from the following suggestions, I shall be glad to submit them to the judgment of the profession. My plan is to make use of all the calering awards and house drains as outfalls for the rain water alone, to be discharged as at present into the Thames, and to receive the sewage proper by distinct pipes connected with the water-closets, sinks, &c., into iron tubes, laid along the floors of the sewers, and furnished at intervals with conical plugs or other relief valves, opening outwards. The diameter of each of these main conduce must be proportioned to the quantity of real sewage it will have to carry, there ensuring a constant current and preventing deposit. The rush of water in Reach, instead of sweeping an ocean of refuse into the Thames to pollute it, will thus arrive there tolerably pure, being altogether external to the conduit tubes; while the sewage itself, unnjured by dilution, will flow through these tubes in a steady current to the river side. From thence it may be conveyed, by intercepting channels of comparatively small size, to any desirred part, either to be decodorised according to the Leicester plan, or to be carried into the country as it is.

arried into the country as it is.

It appears to me the great objects in view—the purification of the Thames and the utilization of the viluable sewage—may be thus attained at a fraction of the expense of the works contemplated by the Metropolitan Board.—Thaxted, Essex, Oct 14.

FREDERICK J. MONEY.

VALUABLE EXPERIMENTS WHOLLY NEGLECTED.

VALUABLE EXPERIMENTS WHOLLY NEGLECTED.

SIR,—When the Great Wheal Buy resumed working, some three years since, it was found that the water vas of so corrosive a nature as to be highly injurious to the boilers and endensing gear. Some of the old pitwork was so much injured by its effets as to be perfectly friable; indeed, all the working-pieces at present arebrass, and, of course, very costly.

To obviate the difficulty in respec to the boilers, as they had then no other water available, the talented siggeon of the mine, Mr. Moyle, instituted a series of experiments. He fand that he was able to so purify the water as to render it innocuous. Test the success of his examination, he procured water from 10 or 12 mines routed to be the worst to be found. In every case his process was all that cald be desired. The manner of testing was to place a piece of clean shet-iron into a bottle or phial of the water in its original state, and to pt a similar piece into the same water after undergoing his process. I yestrday inspected the series, and, after the lapse of three years, I find the coosive waters to have greatly decayed the iron, and in some instances to be destroyed it; whilst in every case of that purified the iron is as clean athe hour it was prt in, even the very flings at the edges thereof being brist. Can anything be more conclusive of the efficiency of the discoverthan this? Yet I believe no notice whatever has been taken of it. In any places such an invention would be invaluable. Hence I ask inserth of this letter. Mr. Moyle readily communicates with anyone desirous information, as all great men do.

At the Great Wheal Busy the difulty has lately been overcome by a fresh supply of water. It had previoly been considerably modified by an ingenious idea of softening the waternal purifying it, clay, raised on the mine, being the material used. In any places these facilities may not exist, and in such Mr. Moyle's simpland effective method may be worth knowing.—Chacemater, Oct. 9.

TRESAVEN MINE

Sir.—Having been requested by see influential parties to visit these mines, for the purpose of ascertaining e facts and particulars under which this important property is to be laid fore the public, I this day attended by arrangement, and met Capt. Willia Martin, by whom it has been undertaken. To him I put the followingnestions; I give you his replies:—

dertaken. To him I put the followingnestions; I give you his replies:

— As you intend your nominal capital to the sum of 25,000., pray what sum do you expect as remuneration for your services, do you require free shares as a premium? — A. Whatever amount the shareholders cles to vote me at their first meeting. I discountenance anything like free shares, not I approve of charging heavy sums as premium, which cripple the mines and disguhareholders, nor have you proposed any gentlemena accommittee or directors?—A. I rev intended to do so. It should in every boild instance, and shall in this, be done by the shadders themselves at their first meeting. I think this will inspite condense in the boffeles of the undertaking. This I wish saying clearly to be understood.

Q. Do you propose having a London or Cosh management and a London office, or both?—A. I intend, in the first instance, high a Commist committee, as being most conductive to the strictly mining principle I puse working the mine under; but I shall success the strictly mining principle I puse working the mine under; but I shall

the proprietary. By having it at the mine, every party choosing to attend will see with whom he is to be associated in the adventure.

Q. Where and have often do you propose holding your meetings?—A. On the mine once in two months, agreeably to the Cost-book System. I found this method to answer well under the old management. The real state of the mine and finances are thus fraquently inic before the public, as they should in all fairness be.

Q. Why have you the mine in sol many as 1250 shares, seeing Cornish adventures awardly object to such a great division?—A. Because under our old working the mine was reduced from 286 to 96 shares, after which facy increased in value to 4000f, each rear sealer from 286 to 96 shares, after which facy increased in value to 4000f, each real sealer abare of such immense value as one of half-or quarret the price, and no purchaser of a moiety of a share could be registered in the cost-book.

Q. Fray what tended to the stoppage of the mines, when ore in the quantity stated in your prospectus can be raised?—A. The principal causes were a desiry on the part of the proprietary to compet the landholder to abrogate his dues, which he would probably have done, had they undertaken to its occasion work for exploration; therefore, if we though their interest to show the mine as unproductive as they could represent it without actually furfeiting lithe sett, which has been since revoked by notice. Another reason is, that the late chief shareholders are mostly dead, and the shares vested. In descendant, it rutes, and assigns, from whom it is difficult to obtain sums of money in the shape of calls, at though their ancestors have received thousands upon thousands from the property; but if dividends be declared there were pienty of claimants for them. You see I have the setts granted at unusually low dues.

Q. Have you, Capt. Martin, confidence that the mine will again pay?—A. I have, or I should not have undertaken so greed a responsibility. I shall set several pictures on tribute to-morrow, a

Thinking these queries and answers may be of service to many of your numers maders besides the parties for whom I made them, I place them at your service.

Trescreta Count-house, Oct. 12.

George Herwoop,

SELECTION OF MINES.

SELECTION OF MINES.

SIR,—The great drawback on mining is too often caused by the seth being injudiciously selected. New mines are often brought out by parties without due regard to their locality, or the character of the lode; and many of them are taken up by persons because they are in or near their own district. I frequently notice that half the young mines brought out barely present a chance of ever becoming remunerative, yet these mines are often carried on for years extensively, at a great outlay, and never make one shifting retun. It is from these bad selections that mines, as a whole, are so often shown up as paying a low percentage. But if any number of mines were selected as a guide, that showed good indications at the commencement, and the average percentage paid, a very different feature would present itself, and mining speculations would be sought after in proference to any others.

it is from these bad selections that mines, as a whole, are so often shown up at pring a low percentage. But if any number of mines were selected as a guids, that sing good indications at the commencement, and the average percentage paid, a very different feature would present itself, and mining speculations would be sought after in preferent to any others.

Parties selecting mines should first look to the locality, and ascertain if it is a mineralised one; next, open out the backs of all the lodes, cross lodes, and elvans, in the set, and see if they present indications of productivenes; and, above all, ascertain if they carry a large quantity of gossan. If so, what is the colour? This should be carried in the contains even particles of any actuality and the selection of the contains of the contains even particles of any actuality and the selection of the contains of the contains even particles of any contains and produce gossan. Tin does not produce gossan. Tin does not produce gossan. The producing are substances are found, you are all but certain to find some mineral or metallic moverning gosson are highly contaminated with other substances which produced it; and produce gossan. The does not produce gossan. The producing selection of the produced it; and produce gossan. The does not produce gossan that the produced gossan that the produce gossan that the produced gossan g

private friends.

Whilst I am about it, I may also inform the public that I have made a third selection.

Whilst I am about it, I may also inform the public that I have made a third selection at a spot showing the phosphates of lead in the old attie, or rubbish, spread over a hard of ground, in sufficient quantities to pay for working over; and I am not inclined to think the mine was ever worked above a few fathoms deep. Then, to crown the whole I further assert that I have above 150,000. worth of ore in sight. But Fortant appears to favour me, as I am bound not to take a partner.

Nicholas Ersol.

SMOKE-PREVENTION PATENTS.

[The following letters of Mr. Lee Stevens were in type for our impression iof last weit, ut were unavoidably omitted in consequence of the extreme pressure of more immediably rgent matter.—Ed. M. J.]

[The following letters of Mr. Lee Stevens were in type for our impression of just west but were unavoidably omitted in consequence of the extreme pressure of more immedistry urgent matter.—ED. M. J.]

Sir,.—Mr. Charles Wye Williams having garnished the Sr. pplement of your Journal of Oct. 2 with additional wood cuts, illustrative of his view in our present controversy, and demonstrative, as he supposes, of the impropriety of mine, it is incumbent upon me to examine them, that I may not be assumed to assent to his conclusions.

Fig. No. I. he describes as "the (his) expired patent of 1839." This is a midair. Having previously defied Mr. Williams to refer to any drawing, theoryton, or claim in that patent which could be identified with any air-admitting raparatus in the farmation of a door, I cave the detailed opinion of Mr. Carpmael in your Journal of Sept. 18, wherein will be seen a thorough confirmation of my statement, in these words.—The specification of 1839 does not contain any apparatus at the furnace-door mechasis interfered in the second of t

New Met ditution have a, who has co wer applicable tention is but izon, can be ich ich ich ich is absort ned at the sa arc describ

sem, as part of a public right, just as the inventor of steam-engine improvements supect of the piston, cylinder, or any other pre-existing part of motive-power or; and, as a natural consequence, I confined my claim to the sustainable nother invention, consisting of the combastion chamber in the special combination. These are the words—"I make so claim to the several parts respectively members separately considered, nor to the diverse traversing of flues or tabes through eiters; but what I do claim is the peculiar arrangement of fue parts of steam-series at forth, so as to form combastion or synding chambers or boxes in front sizes, but what I do claim is the peculiar arrangement of the parts of steam-series at forth, so as to form combastion or synding chambers or boxes in front sizes, he is full and upon which he professed to establish his statement!

Fig. No. VII., now that I have before me Fig. No. II. for fair comparison, I are a practical proposition to Mr. Williams in a separate letter. I will, however, improved the admissions before I close this; which are, that a griditron is a and that a colander is a colander, whether square or round. Moreover, a door of, whether it have holes in it for not. But I cannot follow him out in the inference of the proposition of the course of the contract of the proposition of the course of the cour

which he would lead us, that a circle is a square, a sphere a cube, or a straight carve.

carv

COMPETITIVE FURNACE-DOORS.

CHALLENGE TO MR. CHARLES WYE WILLIAMS, OF LIVERPOOL.

CHALLENGE TO MR. CHARLES WYE WILLIAMS, OF LIVERPOOL.

SR.—In reply to an incidental taunt from Mr. Charles Wye Williams, I smiled to specifically assert the "superiority" of my Patent Regulating a Doors over those plans emanating from himself, which he protested be "identicat" with mine. The absurdity of anything being better as itself is a proposition belonging to his system of logic, and for which as not to be held accountable.

Taking, then, the particular plan described by him in your Supplement October 2, text and diagrams together, under the heading "No. II. INTESTLE FURNACE DOOR," as the basis of comparison, I claim for my invention the following prominent points of superiority:—

The provision of more numerous ½ in. internal apertures for the passage of air, in the limits of doors of equal size.

The greater durability consequent upon presenting curved instead of plane surfaces a stion of the fire.

The facility of adjustment, to meet the different requirements of fuel of more or less accessed of gas-evolving qualities and of varying local conditions.

The successful application of my invention without the necessity of using, in additional of the head of the arm of the work of the surface of the course.

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The successful application of my invention without the necessity of using, in addition to be a constituting sufficient grounds for the asplit superiority of my invention over the method of Mr. Williams agale to have recourse.

Liftim these propositions, as constituting sufficient grounds for the asplit superiority of my invention over the method of Mr. Williams, at each superiority of my invention over the method of Mr. Williams, at each superiority of my invention over the method of Mr. Williams, at each superiority of my invention over the method of Mr. Williams, at each superiority of my invention over the method of Mr. Williams, at each superiority of my invention of the method of Mr. Williams, at each superiority, in a superiority of the method of the metho

TOLVADDEN MINE.

TOLVADDEN MINE.

1.—I have read with some interest Capt. Charles Thomas's report on this mine, pubsis Mr. Marchison's able Review, and I cannot see that it justifies the very favour-statements which have lately been circulated. In your journal of July 17, it was it hat "the lode in the 20 cm is 3½ ft. wide, solid ore, supposed to be worth 10 tons that "the lode in the 20 cm is 3½ ft. wide, solid ore, supposed to be worth 10 tons in the property of the property of the property in the construction of the property in the construction of the property in the construction of the property in the property in the property in a spirald course of ore in that level." Again, on Aug. 21, it was stated "the lode is bottom being as productive as it ever has been." These and other similar staticis have been published. Now, Capt. Charles Thomas says the 20 west has been a 27 ms., the last 4 fms. not of much value; the lode cut through 8 ft. behind the 12ft. wile, upproductive. The ore ground driven through be values at an average by prince the control of the property of t

80N MANUFACTURE—WONDERS WILL NEVER CEASE.

a.—i have oftentimes been at a loss to understand the reason that the name of Cort less kept so much in the back ground, but now I fully comprehend the whole myss.

I would awaken some very usly associations of the past. There is scarcely as in the catalogue of genius, with the exception of Henry Cort, that has not been allobefore the public, from the Iron Duke down to the grand-daughter of Dr. Johnson. The state of the public of t

New Method of Propulsion.—The visitors of the Royal Polytechnic W METHOD OF PROPULSION.—The visitors of the Royal Polytechnic dish have recently been entertained by an invention due to Mr. Glies, an Austra-hab has come to this country to endeavour to introduce his system of making steam-applicable in every department of land traction. The principle upon which the dis is based is a force worked vertically, or at an angle of 45 degress with the n, can be transmitted horizontally with no further searciface of power than that is absorbed by friction; and that a weight suspended on the summit of a leg, in at the same standard, exerts in fix tendency to descent through the circumference of closeribed from the restling point, a horizontal tractive power equal to that weight, at the same time, the pressure arising from the suspended weight is not increased and application, and only represents the same amount of pressure which it would be seen perpendicular. The model by which the inventor illustrates his principle as of a in box, which contains a spring, by which it is worked. This box is only the plane of motion. The inventor also exhibited the application of his invention tents, and works at an incline instead of perpendicular to the water's edge.

THE MINERAL WEALTH OF THE UNITED KINGDOM.

TIN .- The quantity of Tin Ore raised in Cornwall and Devonshire for the year ending Dec. 31, 1857, has been computed from the returns obtained from the smelters as having been in Cornwall, 9634 tons; Devon-

year, as follows:

Highest price
Lowest price
Lowest price
Mean average price for the year
The computed quantity of tin produced from all the ore raised in Devonshire and Cornwall was, for the year ending Dec. 31, 6582 tons. This will give, at 136L per ton, 895, 152L as the market value of British tin. While for the year ending Sept. 29, 1857, according to the Stannary returns, the quantity of tin may be computed at 6380 tons, the market value of this tin being 867,680L

COPPER.—The total quantity of copper ore sold at the ticketing sales, to Dec. 31, was 191,798 tons. The average percentage produce was 6‡. The produce of metallic copper being 12,179 tons 18 cwts. 1 qr. 2 lbs. The money value of the ore being 1,201,270l. 15s. The variations in the copper controlled was 150 to 150 to

Mean average market price of copper, £124.

Lead and Silver.—The total quantity of Lead Ore raised in the United Kingdom was 96,820 tons 10 cwts.; this produced of metallic lead 69,266 tons 5 cwts.; from which there was separated, according to the returns furnished to the Mining Record Office, and to assays obligingly supplied by the smelters—of silver, 532,866 ozs. The prices given for lead ores at the Holywell sales were as follows:—

The highest price during the year, rejecting a few exception lots, which sold for 30l, and 19l, per ton.—

The lowest price during the year (omitting a few small parcels of very poor ore) 8 10 0 The mean average price deduced from all the sales.—

14 15 0 This mean average price fairly represents the price of lead ore in all parts of the United Kingdom. Giving as the value of the ore 1,428,095l., the prices of pig-lead in the metal market were as follows:—

The highest price during the year.—

23 0 0 m.

The lowest price during the year.—

23 0 0 m.

The market value of the lead produced was, therefore, 1,523,852l. The

 Wales:
 1.081
 0

 Glamorgaushire
 1.081
 0

 Carmiarthenshire
 9.914
 9

 Cardiganshire
 108
 10

 Mortomershire
 2.389
 12

 Merionethshire
 4.181
 0

 Denbighshire
 4.181
 0

 Filntshire
 3,006
 10

 Carnarvonshire
 441
 17

 Iste of Man
 2,666
 0

 Scottanb
 1,880
 9

 IntelaND
 2,298
 19

 Sundries, under five tous
 67
 0
 Total 96,820 10 [To be concluded in next week's lining Journal.]

Coal for Steam Navigation.—The geat cost of coal for shipping purposes is apparent from the single fact thathe 270 steamers in the British navy, with about 50,000 aggregate hors-power, consumed, in 1856, 750,000 tons. It is laid down, as a rule of general application, that the power of coal necessary to produce speed irreases as the cube of the velocity. Taking a Collins steamer of 3000 ons, it has been found that in running 14 miles per hour, as they have freuently done, the consumption would be 128 tons per day, or 1252 tons for the passage. And yet one of those steamers could make 12 miles per lour on 80.4 tons per day, or 11 miles per hour on 61.9, or less than hatthat used at 14; all going to prove that fast mail steamers cannot live pon their own receipts on the ocean. The greater the speed of a steam the less it is able to carry freight; and the time will doubtless soon one when the fast mail packets will take nothing except a few express packages.

will take nothing except a few express pacages.

UTILISATON OF PEAT—WET FUEL FUEACES.—A very admirable arrangement for utilising peat, and similar ubstances, as a fiel for steamgenerating purposes, has been patented in the United States, by Mr. Gideon Bantz, of Frederic City, Maryland; the paciple upon which the furnace is constructed being to produce such a hearn the fire-chamber as shall decompose the water contained in the fuel, all make its gases also available as a heating material. Two arched fire-hambers are arranged side by side, and furnished with bars and ash-piteneath. These fire-chambers are not placed below the boiler, but direct in front and parallel with it; although they may be placed at one side the boiler, or at any angle to it. Each is provided with a front fire-drip, but these are only used for lighting the fires, and the ash-pits have drs to regulate the supply of air through the grates, and permit the remoil of the ashes. On the top of each chamber are feeders for supplying theel. The chambers are covered with a flat floor built over the arches, thathe fuel may be wheeled to the feeders. At the rear end of each fire-chaber there is a throat-like aperture communicating with a reservoir, build brick, lined with fire-brick, under the front of the boiler, and which is a concave bottom and a convex back. The convex back of the reservoir minates in and serves as a bridge wall, and has a concave top so formed as leave a space of but 3 or 4 in between it and the boiler. Behind thisridge wall are a series of reverberatory chambers, separated by walls, the chamber being provided with one or more doors, for the purpose of aduting air in sufficient quantities either to complete the combustion of theses from the fire-chambers or to check the draft. The reservoir is fhished with a door for a similar purpose, and at the rear of the last charer there is a wall, behind which is a drop flue leading to the chimney. purpose, and at the rear of the lambda is a drop flue leading to the chimney.

Meetings of Mining Companies.

TREWEATHA MINING COMPANY.

The general meeting of adventurers was held at the offices of the compa ourt, on Tuesday, Mr. J. Balster in the chair.

Mr. Dussronn (the secretary) read the notice convening the meeting, and the mit the last, which were confirmed. A statement of accounts, to Aug. 31, was read, from which the subjoined is condens

| Duss | Calis received | Calis received

HOLMBUSH MINING COMPANY.

The quarterly meeting of proprietors was held at the offices of the company, Bucklers-ury, on Wednesday, Mr. R. Hallett in the chair.

The quarterly meeting of proprietors was held at the offices of the company, Bucklersbury, on Wednesday, Mr. R. HALLET in the chair.

Mr. Hacker (the secretary) read the notice convening the meeting, and the minutes of the last, which were confirmed.—A statement of accounts, to the end of July, was exhibited, from which the subjoined is condensed:—

Balance last audit.

£1196 8 10

Mine cost May, June, and July 2988 7 7

Dues 68 5 4= £4253 1 9

Copper ore sold, June, £1227 5 1

Lead ore sold 259 4 3

Copper ore sold, August 910 11 11

Call due 984 0 0= 3431 1 3

Copper ore sold, August 991 in 11

Cail due 984 0 0 = 3481 1 3

Balance against mine. £22 0 6

The CHAIMMAN remarked that the accounts were only made up to July, but they showed an improvement in the following two months.—Mr. Hacker read the following report:—Get. 11.—The following is my report on the above mine, detailing the operations since the general meeting in June last:—The 160, east of the diagonal shaft, has been extended about 4 fms., at which point a cross-course was met with, on which a level was driven east and west (principally sest) 10 fms.; the lode for the whole of the diriving is worth 150, per fm., and the lode now in the upper part of the eastern end continuing equally good. The lode in the western drivage will, I have no doubt, merge into the former level (from which it branched off) in a few fathous further driving. The lode in the stopes in back of this level, which is now being worked, is also worth 150, per fm. In the 160, west of diagonal, there has been driven in different directions, through hard and the 160, west of diagonal, there has been driven in different directions, through hard and westerly direction, on a branch which we expect will grade us to the object we have been so long in search of—the main part of the lode, west of the cross-course, between which and the lead lode still lies a rich deposit of ore, which must be drained by this level before it can be profitably worked; every effort is, therefore, made to attain this object. At the hast general meeting it reported of having intersected a lode by cross-cutting south and the lead not seen and the lead of the seen and the lead lode sit is an extended should be seen the necessary alternatively will be seen the necessary alternatively mail distance of our former bounder, from which circumstances can be seen the necessary into the former bounder, from which circumstances can be seen the necessary when the circumstance of its being found further south in the 145; this cross-cut has not been extended above 24 fms. south, and o

Mr. Bilibert thought and the mine.

Mr. Verran's opinion was very favourable as to the present appearance of the mine,
Mr. Verran's opinion was very favourable as to the present appearance of the mine,
sepecially in the 160, for so soon as they got through the little cross-courses he believed
they would be in a paying state. They had got through the great cross-course, but found
the lode disordered by the smaller ones. They found the lode rich in the 145, and had
every reason to believe it would be so in the 160 fm. level, where the orey ground might
be reached in three mouths.

every reason to believe it would be so in the 160 fm. level, where the every ground might be reached in three months.

Mr. Warrov said, if they had taken his advice some years ago they would have saved thousands of pounds, and he would again repeat that they ought to stop it, and dispose of the property. They had a most respectable board of directors, who had no object to serve but the general interest of the shareholders; they might go on paying calls, but would never get a dividend. He should move that the directors be requested to sell the mine by private contract, together with the whole of the machinery, and divide the surplus pro rate amongst the shareholders.

The Charman said there was no chance of the resolution being carried; and, indeed, it would not be legal without a special general meeting. Any one could relinquish, have the property valued, and get their proportionate share.

Mr. Bursest said that was precisely what he wanted to arrive at at the last meeting. They could pay up the share of the cost to the end of the present month.

Mr. Hacker read the rule, by which it appeared that course could be adopted, upon the same principle as the Cost-book System.

A Paopratron wished to know whether there was any chance of a call being made?

principle as the cost-pook system. PhorPREXTON wished to know whether there was any chance of a call being made? e Chariman said in his individual opinion there would be a call, for he would neve

onsent to allowing the mine to be deeply in debt, and when a certain amount was due hey must make a call to meet it. He wished it to be distinctly understood that Mr. 'erran came up on his own business, and not at the request of the directors. Mr. Warrox proposed a vote of thanks to the Chairman and directors, which was econded, and carried unanimously.

NORTH WHEAL FRANCES MINING COMPANY.

The bi-monthly meeting of adventurers was held at the offices of the company, Can-Mr. CHARLES HUNT in the chair. Mr. Dankingrow read the notice convening the meeting, and the minutes of the las

Mr. Darlinoron read the notice convening the meeting, and the infinites of the last, which were confirmed.

The reports of Capt. Moyle and Mr. Garland were next read, as follows:—

Oct. 8.—Since the last general meeting, Eales's shaft has been sunk 5 fms. 3 ft. below the 60; in sinking the last 3 feet the water has been ooding from the south side of the shaft, where we expected to find more of the lode. By blasting a hole south we discovered the main part of the lode, of a very soft spar, peach, and status of black ore, being 2½ ft. th. who, of a very promising appearance, with a regular south wail, which has not been seen from the 48 to the present depth until yesterday; my opinion is that it is the part of the lode that made off south in the 48, and is come in again. The 60, which was commenced driving west of Eales's shaft the beginning of last month, by four men, is 6 fms. west—present price 3!, per fm.; the lode is divided into three branches. I have no doubt but that the main part of the lode is also south, as in the shaft, which will be proved by driving on a little further, as the branches seem to bear south of west towards the main part of the lode in the shaft; there is a very promising white stratum of granite in this end for mineral. The 36, west of Eales's, is driving by six men, at 51, per fm.; 15 fms. have been driven since the last meeting, being now altogether west of Eales's shaft 102 fms., we estimate about 8 fms. to cross-course; the lode is 2½ feet wide, composed of capels and hard spar—unproductive; the ground has been very hard for the last month, but is channing for the better. Hunt's shaft is sinking under the surface by nine men, at 111. 10s. per fm., and is being sunk 17 fms. under surface; we have the cross-course in the shaft, and i can calculate with more certainty its position. To communicate this shaft with the 36 we have to drive (after we cut the cross-course) about 45 fms. on the cross-course south, and sink the shaft 3f ms. deeper; by the present appearance of the ground it w

Balance last audit									 			£1077	16	6			
Ores sold						 	 		 			141	18	0			
Calls received						 	 		 		٠	364		0			
Transfer fees												- 3	0	0 =	£1587	4	6
Mine cost and mer	chi	mt	s' t	iii	ls.		 		 			£1461	6	4			
Collecting cheques													1	0-	1461	7	4

Balance in favour of adventurers £ 125 17 2

the charge.

mostpar remarked that Messrs. Watson and Cuell objected to it through the

mostpar remarked that Messrs. Watson and Cuell objected to it through the

most of the mine would stand better in the market if the alteration were

attended the meeting at the request of Messrs. Watson and Cuell, who were

nable to do so.

Mr. Hallert proposed that the rule passed on Feb. 5, 1857, to charge a tran
2s. 6d. be rescinded.—Mr. Rrs seconded the resolution, which was carried
ously, and appeared to give general satisfaction.

A vote of thanks to the Chairman terminated the proceedings.

MINING NOTABILIA. [EXTRACTS FROM OUR CORRESPONDENCE.]

DISCOUNT ON CALLS.—The practice of allowing discount on calls if aid within the day named is becoming a very general practice, and proved highly eneficial to the companies. All the mines in Mr. Murchison office adopt this plan, and is week for the first time, at the suggestion of Mr. Hallett, it was allowed at North rances, as it was considered only fair that those who paid promptly should receive an dvantage over their co-adventurers who were in arrear for perhaps six months. But here are other advantages—a vast amount of trouble is saved by having only a few rears, and the shareholders, im many cases, save the whole amount by being in a osition to deal with ready money, and obtain from the merchants discount.

PROVIDENCE MINES, AND TRELYON CONSOLS.—A very important armgement was, on Wednesday last, concluded between both these mines. The two setts ijoin, Treiyon being on the north and west. The ends in one part of Treiyon have for me time past been worked up to the boundary between both mines; but as this part i Providence is a long way from their present workings, and, having no spare power, ley could not work it without making a new mine of it, and by erection of expensive achinery, &c., which the adventurers were not disposed to do; whereas, on the other and, it being so close to Treiyon, with the ends from that mine nearly into it, it could be worked by them with a very triding expense. A very good arrangement for both parties hand, it being so close to Trelyon, with the ends from that mine nearly into it, it co be worked by them with a very triding expense. A very good arrangement for both part has, therefore, been concluded—that is, to work the ground called Trelyon lower bounds or Trelyon lower mine, conjointly between both, each paying half the costs, and et taking half the tin, or any other produce therefrom. The part to be drained by me of a rod from Trelyon engine. This piece of ground has long been thought very much as considerable quantities of tin have been sold from the old burrows at surface. A while the results will probably be of great importance to Providence, this arrangem has more than doubled the value of Trelyon, and is of the utmost importance to t

WHEAL KITTY (Lelant) looks well: the four ends recently resun

GREAT RETALLACK MINE.—The orange ochre found at this mine, and

NORTH DOLCOATH.-Copy of assayers' report of sample from North Dolcoath — The small specimen of argentiferous gossan has been carefully smalled for Messra. Vivian and Reynolds, and produces 1 oz. 4 dwts. 12 grs. of pure silver, which gives a proportion equal to 3 oz. 5 dwts. 8 grs. to 1 lb. weight of such ore. A careful aceay has been made of the remaining specimen of gossan, which gives a proportion of fine sliver equal to 1064 ons. to the ton of ore. — Johnson and Matthet, Assay Offices, Hotton Garden.

TIN STEALING AT PEDN-AN-DREA MINE.—For some time suspicion has been excited that the tin stores at this mine had been robbed, but detection had been impossible. Last week a watch was set, when a little after 8 oclock in the evening four men, with a horse and cart, were detected in the very act—one having a bag of in on his shoulder. They had taken about 8 cwts. of black tin (that is, tin ore in its marketable state), worth about 25t. The robbers turned out to be the landlord of a public-house at Redruth, a person who keeps a set of tin stamps, and buys bargains of tin stone, the man who has charge of the burning-house, and a person who appears to have been employed to carry off the tin. Suspicion had been excited by the circumstance of the burning-house man being able to lend out at interest various sums of 30t. and 40t. at a time, whilst he had only hold the situation about 15 months, and his wages no more than about 31. 10s, per month. The knaves had laid their plot well, as the tin-dresser, carrying a lot of tin to the smelting-house, would have been supposed to have procured it in a legitimate manner at his own stamps. No doubt this system of wholesale plunder has been practised for some time, and to a great extent. The discovery will, we presume, cause the adoption of more stringent measures for the protection of such valuable property at Pedn-an-drea and other mines. Instances so barefaced as this are or rare occurrence in this county. The four men have been examined and committed to the County Jail, for trail at the Assizes, when they, no doubt, will receive a sentence sufficiently severe to deter such attempts for the future. The shareholders in Pedn-andrea Mines and the property has been exposed to such gross peculation. TIN STEALING AT PEDN-AN-DREA MINE. - For some time suspicion

These rogues who, like the besom stealer who chose to have them ready for the market, preferred taking the tin when dressed (a most expensive process) to carrying off the ore as raised from the mine. The position of two of the individuals in society has caused great surprise, as they were each in a supposed good way of business, and looked on as

BROXBACH MINE.—A letter from Darmstadt gives a deplorable account of the present management of this mine, which, it appears, fell by some means, to be nereinafter mentioned, into the possension of two individuals from London; one a mer-antile gentleman, the other connected with the office of a late solicitor in Broad-street hay attempt to work mines without capital, on mere adventure, and particularly foreign eaving the unfortunate miners who trust to English pro they have a right to expect for their labour, is highly e whole mining system into discredit.

ASHBURTON UNITED MINES .- Persons interested in the success of min and energy shown during the past ten months, when the sett came into their pos-nay be fairly presumed that the mine will be in fork by Christmas of this y hat the quality work producing from the shallow levels will also enable them: or market 20 tons of tin, besides a valuable parcel of copper ore, by the san the engine was started on Monday last, and moved off to the entire satisfaction resent. It was erected under the superintendence of Mr. W. H. Gray, of St and is considered only as the pioneer to many others yet to follow under the action, and to the infinite advantage of the inhabitants of a district teeming we squiring development only to class them amongst the best in the West of Eng The Crayen Moon Mayone.

The Craven Moor Mines are improving, and the company are making

The STONEY GROVES COMPANY have cut into a vein of ore from 18 to 10 in., nearly solid. This is a private company. The sett is bounded by the Merryfield to west, and the ore has been found on the boundry between the Merryfield and the boundry between t

Lewis Mines.—An important improvement is announced here, and a til report on the mine will be given next week.

WENDRON CONSOLS.—At the meeting of shareholders, held on Sept. 21, was unanimously resolved—"That Mr. Peter Watson's office in London be an office of ference for this mine." Some very large and rich specimens of the have been received Mr. Peter Watson's offices this week from the different lodes, and he invites share-loders and others to view the same. The mine looks well, and increased dividends exceted. Capt. John Taylor has been appointed manager.

NORTH TRESKERBY MINE progresses as rapidly as the works can be pro-secuted. Several transactions in shares of the mine have taken place at a premium. We regret to learn that Capt. J. Rabey, the manager, has been suffering severely from a cold, caught whilst exploring the old and wet adits of the mine. Stones of good copperore are being raised, and the mine is almost daily visited by enquiring mining celebrities or their agents. Nothing can be finer than the gossans and appearances in the levels aiready attained, or anything be more promising for great results than the beautiful channels of ground in which these lodes are situated.

At WHEAL SIDNEY, the captain reports the prospects of the mine to be

DEVON AND COURTENAY .- The lode in the end driving west, in the 100, is 4 ft. wide, and, on the whole, looking much better. They will not be long before they get under the ore ground in the 90, which will open up good work. The lode in the stope in back of the 80 will turn out full 3 tons of ore per fathom.

The Porkells United Mines will be submitted for sale by auction, on Tuesday next, by Messrs. Galaden, Winterflood, and Ellis. The mines are situated on Wendron Moors, near Heiston, and with the whole of the materials and machinery will be put up in one lot, including a 60-in. cylinder steam pumping engine, with two boilers and fittings compilete, a steam winding and stamping engine, 80 steam stamp heads, and every requisite for working a large tin mine. The sett is held for 21 years, from 1851.

TRESAVEAN MINE.—We understand that the number of applications rehares in this mine far exceeds what the projectors anticlopated, several of the most fluential of the Cornish mining capitalists having intimated their intention of joining se speculation. We find that the capital proposed to be raised is 25,000f., in 201. shares, per share to be paid up at the time of subscription. There is little doubt but that the first meeting every share will be aliotted. Works have already been commenced, and ore is being raised. The capital confidently affirms that he shall not require more an half the capital names; but those who are acquainted with mining must know at it is better to have ample capital at once than to have recourse to votes for a second rant to work the mine vigorously. Few prospectases, comparatively speaking, have cen issued. Capit. Wm. Martin being so well known as one of the most skifful miners a Europe, renders his bringing out so celebrated a mine a work of little difficulty. It proposed, we understand, to call a meeting of intending adventurers by advertisement to the Cornish papers and the Mining Journal, to be held on the mine, at which all reliminaries will be settled, and the mine set to work forthwith.

At Laux Bertha, a further improvement has taken place, the lode in

At LADY BERTHA, a further improvement has taken place, the lode in rter's winze being worth fall 30f. per an. In the 30 west they have about 2 fathoms

NANGILES MINE.—This mine has been worked some time for sulphuri-ANGILES MINE.—I this time has been worked some close are not sufficiency. The workings are now suspended; it is said the prices are not sufficiently described, as in prosecuting these works abe chances of discovery are afforded. Munos ores which contain from 2 to for copper seem to be preferred by the purchasers, and for these qualities they said. Considerable quantities of blende are procured to this locality, and a m

St. DAY UNITED MINES .- A splendid lode of tin has been cut here

HENWOOD'S NEW JIGGING MACHINE.—Capt. W. Martin, of Tresavea HEWGOD'S NEW JIGGING MACHINE.—Capt. W. Martin, of Presavean Mine, Capt. Pascoe, late of Great Wheal Busy, Capt. A. Bennetts, of Cara Brea, and other emittent practical miners, have this week examined the model of this machine. They all pronounce it to be the most effective, practicable, simple, and cheapest yet introduced. They concur in opinion that it imitates hand labour as perfectly as may be desired, or is possible, whilst it diminishes the cost by three-fourths at least, and that it failing answers the purposes for which it is intended; that any sizes of ore may be treated, from the finest copper bottoms to coarse ragging. Mr. Henwood purposes submitting it to the inspection and opinions of the largents of some of the large Camborne mines this week, after which it is likely one will be erected of the full size, to test its practical value and efficiency.

DAY UNITED MINES .- We noticed these mines in our Journal las SAL DATE ONITED MINES.—Ve noticed these mines in our Journa sek, stating that a large outlay hadbeen expended upon Poldice, and that the a rers were about reaping the rewardor their perseverance; since then, we are state, the agent reports that theyhave cleared up Billing's bottoms in the 13 e lode is worth from 401, to 501, perfin., and he has every reason to believe it is to 70 fathoms long and no level driven under it. In about a fortnight they will mee driving the 144 under the other evels, and immense deposits of tin are anticly

NORTH DOLCOATH.-A samle of the lode recently discovered in this

TRESAVEAN MINE .- Active neasures are being taken here to get the TRESAVEAN MINE.—Active neasures are being taken here to get the inte to work: sawvers, carpenters, siths, &c., are busily employed. A new whim is eing fixed at Bray's shaft for hauing tributers' work, a large party having been set in. Several tribute pitches have bee ite in other parts, and the mine promises soon to saume at least a portion of the indurious character it once enjoyed. Immense numers of miners have been at the mine seking employment. As soon as the sales shall are been completed, and the materia removed, the new company will begin to ope-

BRYNTAIL MINE.—In this mie a great improvement has recently taken ace. The lode in the 10 fathom lev is yielding 2 tons of ore per fathom.

place. The tode in the 10 fathom lev is yielding 2 tons of ore per fathom.

The Cornubia new iron stem-boat, which plies between Hayle and Eristol, encountered a tremendous ga in the Bristol Channel on the night of the 6th inst. The Cornubia is the fastest an most splendid boat on this line. She reached her destination in safety, after a fearf passage, many times being in imminent danger, and avoiding a coilision with a large br, without lights, by only a few feet, when all must have perished. Mr. John Brown, of hacewater, the well-known and much-respected mineral agent, had a narrow escape fised. Being unable to remain in the cabin, he got into the engineer's room, where hay in the bunk, placing his overcoat, containing a large sum of money, under his heats a pillow. He was disturbed by a tremendous sea breaking up the floor of his apartint, when leaping out of bed in the dark he fortunately stepped on the only bit of wd that was left, or he would have gone through to the paddle-wheel; as it was, he his otime to think of coat or money, nor dare he again enter the place to seek for their Terror had taken possession of all on board, again enter the place to seek for their Terror had taken possession of all on board, everyone expecting the vessel to go dan Mr. Brown was compelled to remain in nu-dule for four hours, when he requestedsallor, as a hopeless case, to ascertain if his coat-were still in the place he left it. The ilor found it, washed out of the bunk, and partly through the hole: it had, however, formately for Mr. Brown, got entangled, and he thus recovered his treasure, though not wistst considerable suspense and alarm.

ROSEWARNE UNITED .- A tyographical error occurred in the extract re gave last week from Mr. Murchise Review. It was stated that the second cross at in the 58 was "190 fms." from thest one; it should have been "10 fms." We un overland the mine is considered to be king better than it has done for two years pas

REETH CONSOLS.—The sale materials will take place on Monday, et. 18, at eleven o'clock, and not Tuay, Oct. 19, as advertised last week.

Det. 18, at cleven octook, and not ruspy, but 18, as advertised not week.

ROYAL SANTIAGO MINING CHEANY.—In the event of this company being wound-up, it is fully expected throperty will be bought by the Cobre Company, as from their position they would, no sbt, give a better price than other parties. Notwithstanding all the misfortunes of this initiago Company, the original shareholders, of whom there are several, have been any remunerated for their outlay.

whom there are several, have been any reminerated for their outlay.

CLARENDON OF JAMAICA.—[se whole of the machinery necessary for thoroughly testing the property has be sent out, arrived safe in the colony, and is expected to be in full working operation; the end of the year, when ore will be sent to this country. The shares, although is in price, are very firmly held, principally by parties interested in the weifare of Jaica, and aware of the great importance of successful mining in any part of the work. The neighbourhood of the mines, which a few vers are weak a harrow waste, however, when the production is a colored and the principal of the price of t

MINING MARKET.-We have received the following communication

From Mr. James Chopts :- If the lecteurs of the Journal will take From Mr. James Choffs:—If the lecteurs of the Journal will take trouble to refer to the letter of the writer of last week, there will be found a discount on the probability, or otherwise, of the Bank of England reducing the rate of dist, the object of the reasoning employed being to disabuse the public unit as to the shill be such a step on the part of that institution; and now, they having allowed ther ominous Thursday to pass over without reducing their rate, it is premised that question is a settled one, for this year at least, since the value of money out of door in the Bank approximating more closely every day, there no longer exists the next of any change on the part of the Bank. The subject to an extent possesses great in st, occasso inferentially a higher rate for money will, in the present state of tress, occasso inferentially a higher rate for money will, in the present state of tress, and act favourably, therefore, on all markets. To prove this position, it is only seary to note the great increase of business in all departments on the Block Exchange, constraining that the worst period of the year has now passed away, and is supplanted in the control of the part of the same of the process of the cheerful tone, which cannot fall to propress satisfactoritysmitli it again reaches also, and it is to be hoped sound, prosperity.

In the mining market, to which the writer, be it understood, devotes his almost exive attention, the influence of the preceding circumstances had been very sensity in an advance in particular upon every well-established, dividend mine, such as for

insive attention, the influence of the preceding circumstances had been very sensity in the tention at the influence of the preceding circumstances had been very sensity it, nan advance in particular upon every well-established dividend mine, such a (a lit, in an advance in particular upon every well-established dividend mine, such a (a lit, in a lit, in the lit,

whilst, strange to say, renders, when harriest, some Jowns, or reliving, and a cycl al sumed to be not only cheap but safe shares. The constantly apward course of Bry does high credit to the predictions some time ago hazarded of its value by a large ho the shares have its own production of the shares have also undergone a reaction in price, owing prob to (and to that cause alone) of holders of shares at the par price (2½) realising he some profits, a wise act at all times in mining shages; at the moment, however market appears nearly cleared of shares, and they leave off firm in price at a reduction of 30s, to 30s, from the highest point. The news from the mine continues of a hazisfactory character, and if there exists lead or working, or in sight, throughou mine to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 25 tons in common to the aggregate extent of 12½ tons per fathom, and 20 to 12½ tons in the aggregate extent of 12½ tons per fathom, and an aggregate extent of 12½ tons per fathom, and an aggregate extent of 12½ tons per fatho latter being about the same as a year ago—200 to 210, which is necessar for the sake of accuracy. On the whole, it must be stated that in progres temand is still limited, being, in fact, confined to such as exhibit improprise index, and aiready enumerated. The quiescent class are neglected. The relation of the properties of the machinery complete, and productive lodes, is noticed with a view of a mine upon which 41. Se, per share has been expended; whilst the prhare is only 20s. We understand that the shares, or the majority of it respectably placed, and the management is in most efficient and experience.

specially placed, and the management is in most efficient and experienced hands.

From Mr. John Robert Pike:—The market for the negociation rittleh Mine Shares is, as a rule, distinguished by an irregular and spasmodic acts periods of great monetary pressure this peculiarity is not so much noticed, oring the weakness and paucity of transactions recorded; whist, on the other hand, in the hen money is both abundant and obtainable, it becomes a prominent, and consider as acquaintance with this description of security, cannot comprehend by we sound trading, and in the absence of any public event of exciting and ge on, the shares of any particular mine in which they are desirous of inve and in a great many instances even refuse to be combined, by the action that, whilst a failing off in the yield of ore in a lode or vein pa gall in the value of the shares, on the other hand, a fresh the shen lucrease either in the richness or quantity of metal in a lode, in

considerable activity during the week, and transactions have been large and manuaction in dividend and sound progressive shares. Basset shares are in request at 20 205. Brynatai, 134 to 334, clossing purchasers at 4 to 44; the prospects are major proved of late, and it is probable that a further advance in price will follow. Been 205. Bryntail, 3½ to 3½, closing purchasers at 4 to 4½; the prospects are main proved of late, and it is probable that a further advance in price will follow. Best demand, at 5 to 5½, with an absence of sellers. West derewitie is a promising a tare: the adit end west, on Field's lode, yields I ton of rich copper ore per in. 3. Condurrow, sellers, at 3s. Grenville is looking kindly at the shaft at Newton Builer and Basset United has been largely dealt in; the lode at the shaft holds on chances of success at no very distant date; it is 4 ft. wide, and mineralised threat Great South Tolgus, South Tolgus, and Old Tolgus United, are each good to purchasing quotations; the ores are rich in quality, and the costs of production contravourably against yields. At Old Tolgus United, the 32 west, on the engine look; 5 tons of copper and blende per fathom. In the rise above, 5 tons. On the colode west, 1 ton of copper. In the 32 west, on south lede, 1 ton of copper. In the stopes above, 3 tons of copper over per discussed in the stope of the colode with shortly in the 44, just under the shoot of ore, yielding 5 tons of copper over per discussed on the colode with the stope of the stope of the colode with the stope of the colode with the stope of the stope duction increase in proportion, whilst rumour asserts a larger and more powersuporting-engine will soon be required. Providence continues to open out weil, and division of 44, quarterily will be resumed now that the extra expenses of additional making are defrayed. Margaret shares have been in great request, and close at improved girst Great Wheal Vor shares are flat, and in the absence of buyers the market wears abstractly expendency. This mine, formerly so very productive, and now reopened at are heavy expenditure, must be worthy the attention of capitalists at the heavy discount now stands at. Great Wheal Busy, 345, should be purchased; the prospects of servare good, and notwithstanding the disappointment evinced at not finding an eight dended in the rich upon the water being pumped out, mining authorities assert, with rusual confidence, that development in depth, and cross-cutting to side icdes, will issue usual confidence, that development in depth, and cross-cutting to side icdes, will issue the support of the standard of the second of the standard of the second of the se

THE BRITISH POSTAL GUIDE.—A correspondence has taken place be tween the Post-office and Sir C. Roney, in consequence of the price of this useful importance of the price of the price of the supplementation of the production to justify the selling price being doubled. The following parties, and justifies the proceeding as advantageous to the public. This is a segment that can hardly be expected to meet general concurrence.

A positive has been reconstructed to the price of the price

A petition has been presented at the Court of Bankruptcy for a wid-ing-up order against the North Lincolnshire Shipbuilding Company, and will behard Oct. 28. David Laing Barm, merchant, of St. Michael's House, Cornhill, has been ap-dicated a bankrupt. Seven days are allowed in which the adjudication may be dispus-

rally accept provement I the departure however, of ment of cap nind, and i stated by th rages associ Our able that "the sho to carry out t matters to a c that company of the Royal A sprice will be my last community and the mouth he cannot of the a condy on the 2d Indian mail I lawing that by he canvas the Few were sure. However, the helm of the shirt dime, not working in and redion behind time, not working any vessel prouder stranger a power of the cannot be a sure and the condition of the cannot be a sure and the cannot be a sure and the cannot be a sure and the cannot be a sure as erse mon soon: ance at the m itherto atterni is under ostim de of Suez. POLITICAL

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Government G tember 10, wit generally under elections for the the six province that retire from shall retire from has occurred to the men of size lative Council v field for this sea cpies, and favor vs the approach known of what their friends are form Bill, while council are to be pt, theref

rt, that they ha lich presents for rec miles and a ill be the exsice de plain, with a kilon, makes a d

ve imports of he same period 00,658l., again lustralian Re oss amount of nished for th luce give a tot was 2,712,1664. but that quite t s that "the as heretofore, wi e quoted at

EASTERN POI carling the openin Whitechapel, of a philipped of the carling the shade, i.e., which adealy the carling the makes, i.e., which adealy the carling the adealy the carling the the delightful feetul with his lecture on dillustration, and of illustration, and of illustration and of illustration, and of illustration, and of illustration and of illustration and illustr

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AUSTRALIA.

The delivery of the Marseilles portion of the letters by the Australian all brings us advices from Sydney to Aug. 11; from Adelaide to A. d. 12; and from Melbourne to Aug. 17. Our correspondent at the latter portive detailed and interesting information on almost every head, and, indeed, renders a summary on our part superfluous, as respects intelligence from Victoria generally, for he deals with restities, mining, and railways, and merely leaves us to allude to commerce and matters in the more generally accepted teres, and which is simply to say that no material importment has aken place in the general aspect of mercantile affairs since the departure of the July mail. The apathy in trade and commerce had, however, given an impetus, apparently, to other channels for the employment of capital. In fact, there appears to be quite a change in the public gind, and new projects were springing up every week. Six new associations, had been proposed, amongst which were a guarantee company, and a water company for the gold fields, engendered, it is used by the propositions contained in the new Mining Bill, which encourages associated labour in auriferous pursuits.

Our able correspondent, under date of Melbourne, Aug. 16, remarks that the shortcomings of the European and Australian Mail Company, in their attempts to arrive the contact for the gostal service to these colonies, have at last brought afters to a crisis; and we learn on this side, with satisfaction, that it is abandoned by the Nictoria in her voyage to Suez and back its equal to one-third her portion earned of the substity. This vessel arrived with the mail from Southampton of May 17 only on the 21 inst., or in 77 days; and news from London to May 25, obtained from an lailia mail packet, while detained at Galie having her mentionery repaired. After laring that port her engines broke down several times, so that she depended entirely on several and the substity. This vessel arrived with the mail from Southampton of May 17 days and released the first

he nable estimation of the difficulties to contend with in navigating the seas upon this six six.

Political News.—On the 9th August, a supplemental issue of the Gerenment Gasetle announced that Parliament would be further prorogued until September 10, without intimating that it will meet then for dispatch of business. It is gazetly anderstood that this will not take place until the following month, after the esions for the Upper House are over. It aliade to a vacancy that will occur in each of he six provinces, according to the New Constitution Act, which enacts that one member and retire from each province every two years. In addition to that number a vacancy has occured in the north-western province, by the resignation of John Alian, one of the men of sixs referred to in my last communication, who had crept into the Legishire Casnell without either wealth or brains. Two candidates have appeared in the sid for this seat, Dr. Wilkie and Mr. Alexander Fraser, both gentlemen of liberal principles, and favourable to the policy of the existing Government. It is premature to canculate approaching elections, as another month may elapse before anything positive is according to the control of the policy of the existing Government. It is premature to canculate a supproaching elections, as another month may elapse before anything positive is already with a candidates will appear in the field. On this head the Government and their friends are busy securing gentlemen favourable to the passing of an Electoral Region Bill, while their opponents are no less active on their part, so that some political coasist are to be expected before Parliament meets. Nay more, it is currently circulated that since the arrival of Mr. Nicholson from England, who successfully introduced the ballot in Victoria, that the opposition are anxious to bring him forward as circulaming the outer thampton to oust the "present Ministry." Such a movement would be of a purely felius nature, and would be coadenmed by all the well-wishers of the cotony. Any

learning prices at Methourne are, for Ballarat, 78s. 6d. to 78s. 6d.; Bendigo, 76s. 6d.

RAILWAY AFFAIRS.—The most noticeable matter connected with our have affairs has been an attempt on the part of the contractors, Messra. Cornish and been, whose contract was accepted for the construction of the Methourne and Sandhurst has, to introduce the obnoxious truck ayatem in paying the men on the works. Fortunative, the introduce the obnoxious truck ayatem in paying the men on the works. Fortunative, the introduce the obnoxious truck ayatem in paying the men on the works. Fortunative, the introduce the obnoxious truck ayatem in paying the men on the works. Fortunative, the introduce the obnoxious truck and the construction of the Melournal, which had the effect of cliciting a notice from the Vice-President of the Sand of Land and Works, that such practices were in contravention of a special clause in the conject, and if persevered in would annut the same. To this statement the contract, and the part removed all evidence of the "tommy-shop" system, denying that it works as the contract of the contract of the contract of the same at the contract of the cont

From Adelaide our dates are to Aug. 12. Commercial matters continue dall, and prices generally were low, in consequence chiefly of excessive imports of every description of goods. The staple productions were, however, steadily increasing. The revenue for the quarter ending June 30 anounted to 132,2394, which is an excess of 29,9794, over the returns for the same period of last year. The expenditure for the same quarter was 109,6584, against 116,4384. during the same months of 1857. The South Australian Register of Aug. 10 remarks that "the mining interest in its goos amount of exports during the last ten years is in advance of both the agricultural and pastoral interests." This we find proved by the statistics funished for that period. The Government returns of the exportable producing in a total value of copper ore of 2,769,5044., while agricultural was 2,712,1664., and pastoral 2,258,8234. It is clear there is no probability of a falling off in the yield of the rich copper mines of South Australia, that that quite the contrary may be calculated upon. The same journal was that "the Burra Burra is producing about the same quantity of ore as heretofore, while the rich copper mines in the North, now beginning to be gened un are of extravelia service." From Adelaide our dates are to Aug. 12. Commercial matters conone need of the Royal and Princess Royal at 25t.

The shares of the Burra Burra Wete quoted at 142t., and Princess Royal at 25t.

EASTERN POLYTECHNIC INSTITUTION .- We have much pleasure in re-EASTERN POLYTECHNIC INSTITUTION.—We have much pleasure in reling the opening, in the premises known as the Garrick Theatre, Leman-street,
illehaped, of a Polytechnic Institution, under circumstances which warrant the extation that that densely populated district will possess permanently, in its midst, all
advantages which have hither been confined to the extreme west of London. In the
by stage of so praiseworthy an enterprise it is not, of course, possible to present the
by stage of so praiseworthy an enterprise it is not, of course, possible to present the
by stage of so praiseworthy an enterprise it is not, of course, possible to present the
by stage of so praiseworthy an enterprise it is not, of course, possible to present the
by stage of so praiseworthy an enterprise it is not, of course, possible to present the
by stage of so praiseworthy and enterprise it is not, of course, possible to present
the traking. The manager, Mr. J. D. Malcolm, so well known in the West, introduces
the little tecture on Natural Magic, with experiments. Mr. Lemox Horne tollows
this lettle touter on Natural Magic, with experiments. Mr. Lemox Horne tollows
the little tecture on Natural Magic, with experiments. Mr. Lemox Horne tollows
the little tecture on Natural Magic, with experiments. Mr. Lemox Horne
tollows
the little tollower of the Humorous Melodies of Old England, with spirited songs by way
listeration, and a beautifully excented series of astronomical dissolving views, leadtup to the course of the Humorous Melodies of Old England, with spirited songs by way
listeration, and a beautifully excented series of astronomical dissolving views, leadtup to the course of the Humorous Melodies of Old England, with spirited songs by way
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listeration, and a beautifully excented series of astronomical dissolving views, leadtup to the course of the training of

COPIAPO	MINING Co	MPANY.	-Re	port fre	om A	Aug. 18	to 31 :	
	Class.		Quint	als.	Per o	ent.	Price.	Value.
M. S. lode,	first sulphure	t	500		25	*****	26 rs	1625 00
Ditto, a	econd, ditto		600		13	******	9	975 00
	rst carbonate		300		23		2314	881 25
	econd, ditte		1000		16		1347	1718 75
Quintaleros	and burrows		3000		11	*****	7	2625 00
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THE MARIQUITA AND NEW GRANADA COMPANY.—Advices to August.—Santa Ana, July cost \$13,031; returns, \$19,769. The returns for August were about \$23,500, cost not received. Under date Aug. 28, the superintendent writes that the lode in the 110 has a most promising appearance; and the branch going north in George's cost, \$23,500; cost has improved.—Marianto, July cost, \$13,762; returns, \$15,282.—Purima, August cost, \$2380; returns, \$3151.

cross-cut has improved.—Marmato, July cosi, \$13,762; returns, \$15,282.—Purims, August cost, \$2369; returns, \$3151.

FORTUNA COMPANY.—October 6: Canada Incosa—West of Engine-Shaft: The 6th level, east of Addis's shaft, is producing a little ore, but not enough to value. The lode in the 5th level, east of La Gloria winze, is kindly, and worth ½ ton per fathom. The lode in the 4th level, west of Kendall's winze, contains small strings of lead ore, but not enough to value.—East of the Engine-Shaft: The end in the 4th level, east of Garclas' winze, still continues very hard, with the lode split up in small branches, but not carrying enough ore for valuation. The lode in the 3d level, east of Garclas' winze, still continues very hard, with the lode split up in small branches, but not carrying enough ore for valuation. The lode in the 3d level, east of Kennedy's shaft, is large and kindly, and worth 1½ ton per fathom.—Winzes: The lode in El Clavel has declined in value, and is now worth about 1½ ton per quare fathom; it is underlying very fast south. Tomas's winze is communicated to the 3d level.—Shafts: The lode in Londes shaft has rather improved, and is worth 1½ ton per fathom is communicated with Carros shaft is communicated the communicated the communicated to the 3d level, east of San Gabriel. Barrionavos winze, is unproductive at present.—Winzes; warrines wrinze is worth 1½ tons per fathom; this winze has been communicated with the 3d level, cast of San Gabriel. Barrionavos winze was communicated with the 3d level, cast of San Gabriel sartion-tand.—Shafts: A Morria's engine-shaft the lode has not been stripped down since last report. The tribute pitches present no material alteration in their appearance. We estimate our returns for October at 230 tons.

Linares Lead Mining Company.—October 6: Pozo Ancho Mine,

since last report. The tribute pitches present no material alteration in their appearance. We estimate our returns for October at 230 tons.

Linares Lead Mining Company.—October 6: Pozo Ancho Mine, West of Engine-shaft—South Lode: We still continue cross-cuttieg south in the 85, west of cross-cut, there is no appearance of the lode as yet. The 75, west of Carillo's winze, is worth 15 to no pre fathom; the lode is divided into parts, and letting out much water. The 41, west of Warne's shaft, is worth 1½ ton per fathom. The 31, west of Cecilios winze, is worth ½ ton per fathom, tode rather small, but kindly in appearance.—East of Engine-shaft: The lode in the 85, east of Cueva's winze, is very large and kindly, and worth ½ ton per fathom. The lode in the 55, east of Shaw'sshaft, still continues regular, but is unproductive. The lode in the 65, east of Madrid winze, is very regular and kindly, and worth 1½ ton per fathom.—North Lode: The lode in the 65, east of Madrid winze, is very regular and kindly, and worth 1½ ton per fathom.—North Lode: The lode in the 65, east of Thorne's winze, and in the 65, east of Thorne's winze, is worth 1½ ton per fathom.—North Lode: The lode in the 65, east of Thorne's winze, is worth 1½ ton per fathom, to every regular and kindly. The lode in the 65, west of Sanitastas winze, is a very fine one, and worth 2½ ton sper fathom. The 65 the staff Garnez cross-cut, is worth ½ ton per fathom. The 55, east of Garnez winze, is worth 1½ ton per fathom. The 50 the cast of Firsto's winze, is worth 2 ton sper fathom, to lea large increase in the water. Guillermo's winze is worth 1½ ton per fathom. The lode in the 120, east of Field's shaft, is large, and worth 1½ ton per fathom. The lode in Luis is small and unproductive. Bis small, but very kindly in appearance, worth 1 ton per fathom worth 2½ ton sper fathom; this winze has been communicate

Warne's engine-shaft is worth 6 tons per fathom; the lode still continues very large. The cross-cut at the 55, north from Basto's winze, is communicated with the level driven in the north part of the lode.

PONTGIBAUD MINES.—Capt. Rickard, Oct. 6: Roure: The 100 metre level, north of 8:. Mary's shaft, on 8t. George's lode, is looking promising: the lode is 2 ft. wide, composed of and quariz, mundic, and a little sliver-lead ore. The samelevel, north of shaft, on the No. 3 lode, is not producing ore to value. The 40 south towards Agase' is looking very kindly; the lode cut in this level, mentioned in my last, has been cut into about 3 feet, where it looks well, composed of quartz and sliver-lead ore, similar in character to the lode about Agase's shaft. The 40, south from 8t. Peter's, on Emilie's lode, is turning out upwards of 3 tons of ore per fin., and is of a strong and kindly appearance. The 20 metre level, south of 8t. Peter's shaft, on Emilie's lode, is turning out upwards of 3 tons of ore per fathous for the width of the level, but only a part of the lode is being carried. The adit level south of 8t. Peter's, on 8t. Mark's lode, is looking promising, it is well defined, and contains a little ore and carbonate of lead. The 20, north of Agase' shaft, is in a good lode, but not quite so rich as last reported—now worth 4 tons of ore per fathous, it has same level south, on Paul's lode, is yielding 1 ton of ore per fathom. Our stopes throughout this mine are yielding well. We have now 48 men stoping, and are breaking large-quantities ore stuff for the lavaries.—Roster: In the adit level, north of John's, there is no notable change either in the lode or ground for the last 20 metres driven. The tributers are breaking about the same quantity as for several mouths past, and have all taken their pitches for another two months.—Motor: The 40 metre level north, on the western part of the No. 3 lode, is yielding 1 ton of ore per fathom, and promises a further improvement, there being a brauch of ore approaching the

WILDBERG MINING COMPANY.—Capt. Walls, Oct. 9: The ore sampled WILDBERG MINING COMPANY.—Capt. Walls, Oct. 9: The ore sampled and weighed off to the smelting-works for September is 185 tons 12 cwts. of silver-lead ore, at 49 6-10ths per cent. produce for lead, and about the average produce for silver, together with 34 cwts. of good quality copper cre. The lead ore is 14 tons 8 cwts. less than our estimate, in consequence of the men remaining at home for the harvest, which must now be nearly over, and no doubt we shall get a regular supply of hands, and if so we shall endeavour to raise the returns for the present month above our estimate. The deep adit end, driving east from the Turken sink, is again in ore ground, and worth at present 1 ton of silver-lead ore per lachter.

we shall endeavour to raise the returns for the present month above our estimate. The deep adit end, driving east from the Turken sink, is again in ore ground, and worth at present I ton of silver-lead ore per lachter.

CENTRAL AMERICAN MINING COMPANY. — Alotepeque, August 28: San Pantaleon Mine—San Vicente Level: Sine the 10th inst. the north part of the Iode has been intersected in this level, and two ends extended east and west on its course from the cross-cut. I am glad to state that our anticipations have been realised respecting the vein in this part of the mine; for at the point of intersection it was found in good ore of a rich ley, which has contibued more or less up to the present time. In the level driving west six men have drives 8 varas, at 87 per vara. In the present end it is 20 in, wide; and although the ore if contains is more disseminated through the lode than in the eastern level, it still profices a large amount of "broza" of good quality. The end east has been extended \$\frac{1}{2}\$ varas, by six men, at \$\frac{2}{2}\$ per vara. Here the vein is 1f. wide, carrying with it a splendid branch of rich ore against the south wall 4 in. in width, and the remaining just of the lode is nearly all saving work. The lode being found so rich in this level (sanlVincente) has enhanced the value of San Peuteleon Mine considerably, there being not lies than 20 fathons of virgin ground over it to be worked away; and as the level is exlended eastward, the depths of backs will become deeper.—San Damasio Lovel: The vin, which is still in a disordered state in this level, is about 1 ft. wide, composed of floolan, calc-spar, iron pyrites, and has produced altitle ore of moderate quality. It is shouthful whether the lode in this level will become more settled until found on the castern side of the cross-course No. 3. William to the control of the contro

stope, in which case this will be a very valuable piece of ore ground, as there is no doubt of its holding up to the level above San Damasio, where there is a rich lode going down directly over this back. The lode in the adjoining stope, Freguero's, in back of same level, is from 2½ to 3 ft. wide, producing some "broad" of this quality. In San Affonso, or new deep adit level, after size, 'ing and making a place, a cross-cut was commenced north, which, being driven about 5 years, intersected the lode; this new level will come in at a depth of about 53 varas under Lolores, our present adit level. Contrary to expectation, I have succeeded in procuring son, on mules, and since my last communication have dispatched to the company's agents in Labai, for transmission to England, 137 bigs of first-clease ore, which I calculate to be worth Johur 700!. In the stor-house there are still 100 bags ready to be remitted, and we are getting more prepared.

pectation, I have succeeded in procuring sol., and it remembes into England. 137 hear investigation of most-class ore, which I calculate to be worth and 1700. In the store-hease there are still 100 beage rady to be remitted, and we are go, thing more prepared.

LUSHIANIAN MINING COMPANY.—OCT. 7: Pa. hal Mine.—Basto's Lodic. The ground in Taylor's engine-shaft, sinking below the 38, still continues hard. The ground in Taylor's engine-shaft, shaft of the store that the store in the store of the store that the store of the LUSITANIAN MINING COMPANY.—Oct. 7: Pa. hal Mine—Basto's Lode

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY.—Melbourne, August 14: The quantity of quarts crushed at Clune during the mouth of July (five weeks) was 1536 tons. Receipts for crushing same, 40861. 10s. 4d.: expenditure, 25331. 14s. 10d.; showing a profit of 15521. 15s. 6d.; the expenditure includes 315f. for materials, repairs, and renewal of stamps, &c., not fairly chargeable to the month's account. The resident director had taken advantage of a diminished supply of quartz to have the 20-head stamps and engine thoroughly repaired; one side (eight heads) was finished and at work, and the remaining 12 heads would be finished in about a week. A new pan had been fixed to the Chilian mill, and was at work, being very useful for testing small lots of quartz, for which stamps are unsuited. Arrangements have been made by the Clunes Mining Company to work the alluvial ground to the east of the quartz reefs, and looks likely to turn out well. This company are to receive 5 per cent. of the gold raised, and are relieved of all expenses in connection with it. The resident director had, however, let to the men engaged in this work one of the small engines originally used for the Chilian mill at a fixed sum per diem, they find, labour, materials, &c. A further remittance of 1000f, is to hand, making 3500f, on account of dividend fund, and he states he will do his best to continue the same. The quantity of gold melted at the assay office during the month of July was 38,848 ozs.

ENGLISH AND AUSTRALIAN COPPER COMPANY.—Adelaide, Aug. 10: The managers states:—"There are six furnaces now lighted, and in good order. The

The managers states:—"There are six furnaces now lighted, and in good order.

There are six furnaces now lighted, and in good order.

Sevent of the men had been dispensed with, and others put upon piece we would was being delivered at the works as required, and there was an abundance in crub. The ore shipments next season would be about 5000 tons."

wood was being delivered at the works as required, and there was an abundance in the scrub. The ore shipments next season would be about 5000 tons."

BON ACCORD MINING COMPANY.—Adelaide, Aug. 11: Dickson's Shaft: This shaft has been sunk 5½ fms. during the month, and is now down 18½ fms., and at that depth a level has been driven 9 feet west through the lode, which is about 13 feet wide, composed of soft spar, prian, and some iron: 12 fathoms set to be driven south, at 3.5. sp. fm.—Elder's Shaft: The 21, driven north from this shaft, has now been extended 24 fathoms, and Capt. Jeffrey expected to complete the communication between Dickson's and Elder's shafts in the course of August. At Elder's shaft, the level south has been driven towards the south boundary of the property 11 fms., through a very kindly lode, and at about 3 fms. from the end thereof a cross-cut has been driven east. 7 fms., and at about 3 fms. in this direction a branch 3 feet wide has been cut, which is composed of spar, gossan, and spots of ore. In reference to this shaft, and the levels running from it, Capt. Jeffrey still expects, as he proceeds deeper, to have a good course of ore. The engine-shaft when last reported on was down 7 fms; it is now sunk 11 fms. The steam-engine and engineer had arrived out safely, and every effort was making to convey it to the mine, and erect it at the shaft prepared for it. The report of the views of the committee of management continues favourable, the Chairman, in his letter, observing—"Patience must be exercised, and I am very much mistaken if the eventual results will not prove satisfactory."

MINING IN JAMAICA.

WHEAL JAMAICA COPPER COMPANY.—Sub-agent Francis writes from Charing-cross Mine, under date Sept. 23: "There is no alteration to notice in either of the ends of the 65. The lode in the winze is from 4 to 5 ft, wide, composed of a very light porphyry, spotted throughout with yellow copper ore, carrying a small but good branch of the same on the hanging wall."—Mr. G. B. Nethersole writes from Castle James, on Sept. 21: "Since last writing, I beg to inform you that the extent of our present driving at Mount Woolfrys, No. 1, is 9 fms., carrying a rich branch of ore on the eastern side, but the heavy nature of the ground prevents our making faster progress. As soon, however, as we arrive at the end of the old workings, which is now ascertained to be between 4 and 5 fms. distant, I have covery confidence in the result of our meeting with most profitable returns, as I think there is another rich branch of ore to the east-ward, which is exposed to surface." rd, which is exposed to surface."

RIO GRANDE MINING COMPANY.—Capt. Arthur reports that there is

to change in the mines, and that he has a good quantity of ore ready for shipment; and when he can procure animals to bring it down he will send it. He has also found a fine tone of grey ore in Ladysfield, a part of Brookdale, about 50 yards from where he is at resent working, and is desirous of following this up so soon as the proprietor of the land

CLARENDON CONSOLIDATED MINING COMPANY OF JAMAICA.—Josiah CLARENDON CONSOLIDATED MINING COMPANY OF JAMAICA.—Jostali Martin, Sept. 22: Since I hast wrote you we have cut down the engine-shaft to within about 4 ft. of the hottom. I expect to get it completed by the end of the mouth, or soon in October, all being well. The lode is just as if has been for the last 6 ftms., about 4 ft. wide, and has two pretty smooth walls. We are obliged to be very careful in blasting the roke, as the pumps are small, and we are rather fe rall in working so very near them in case a stone should strike them and cause a little delay. I said in my last that I was about to put the men to cut through the cross-course to find the north lode that has been broken up by the cross-course. I think we have cut it to the east of the slide, it is about 2 ft. wide, worth about 12f. per fm., composed of rich yellow and black copper ore, and prian. It is a very fine looking lode, and kindly for a further improvement; I hope to see more by next week. My opinion is that you have a good and lasting mine in Stam ford Hill if it is properly worked; what has been done it is nohing towards proving the ground. The men are making good progress in timbering the top part of engine-shaft, also in putting the boiler together. I hope to have it completed by the end of the mouth, weather permitting. The masons will be here on Monday to commence the engine-house, and all parts of the work are progressing satisfactorily.

WADEBRIDGE.—The Camel Slate Quarry has recently so much improved WADEBRIDGE.—In the Camel State Quarry has recently so much improved that the slabs (some from 120 to 140 ft. in a stone) and roofing are of a very superior quality. It is, therefore, more than probable that the adventurers in this concern will be amply remunerated for their perseverance and heavy outlay. And considering the few slate quarries in this county, and the supply continually required, we heartily wish them success, because not only is the neighbourhood in which the quarry is situate very materially benefitted, but also the country generally, preventing as it does that monpoly which has for some years been attempted in the Cornish slate trade.—Plymouth Jour. onsent to allowing the mine to be deeply in debt, and when a certain amount was due hey must make a call to meet it. He wished it to be distinctly understood that Mr. retran came up on his own business, and not at the request of the directors.

Mr. Warros proposed a vote of thanks to the Chairman and directors, which was econded, and carried unanimously.

NORTH WHEAL FRANCES MINING COMPANY.

The bi-monthly meeting of adventurers was held at the offices of the company, Car eet, on Thursday. Mr. CHARLES HUNT in the chair.

Mr. Dankingrow read the notice convening the meeting, and the minutes of the last

which were confirmed.

The reports of Capt. Moyle and Mr. Garland were next read, as follows:—
Oct. 8.—Since the last general meeting, Eales's shaft has been sunk 5 fms. 3 ft. below the 69; in sinking the last 3 feet the water has been cooking from the south side of the shaft, where we expected to find more of the lode. By blasting a hole south we discovered the main part of the lode, of a very soft spar, peach, and stains of black ore, being 2½ ft. wide, of a very promising appearance, with a regular south wall, which has not been seen from the 48 to the present depth until yesterday; my opinion is that it is the part of the lode in the part of the lode in the shaft, where we expected depth until yesterday; my opinion is that it is the part of the lode in the 48, and is come in again. The 60, which was commenced driving west of Eales's shaft the beginning of last month, by four men, is 6 fms. west—present price 3t, per fm.; the lode is divided into three branches. I have no doubt but that the main part of the lode is also south, as in the shaft, which will be proved by driving on a little further, as the branches seem to bear south of west towards the main part of the lode in the shaft; there is a very promising white stratum of grantie in this end for mineral. The 36, west of Eales's, is driving by six men, at 5t, per fm.; 15 fms. have been driven since the last meeting, being now altogether west of Eales's shaft 102 fms., we estimate about 8 fms. to cross-course; the lode is 2½ feet wide, composed of capels and hard spar—unproductive; the ground has been very hard for the last month, but is changing for the better. Hunt's shaft is sinking under the surface by nine men, at 11t, 10s, per fm., and is being sunk 17 fms. under surface; we have the cross-course in the shaft, and i can calculate with more certainty its position. To communicate this shaft with the 36 we have to drive (after we cut the cross-course) about 45 fms. on the cross-course south, and sink the shaft 45 fms. deeper; by the present appearance

narcholders to-morrow, I beg to say that the dis-ces is not of ore, but of the south part of the load .—For the information of the shareholders to-more high is reported at North Frances is not of ore, but rery which is reported at North Frances is not of ore, but of the south part of the lode, I evidently the main part, which in the disordered ground about the 48 dipped to the tith, but is now come into the shaft; it is 2½ ft. big, and a kindly lode. The part of lode in which we were sinking is joining it in the bottom of the shaft, so that we ill now sink quicker, as the new part of the lode is much fairer. We are also turning end south in the 60, and expect we have there about 9 ft. to cut the south part, or dich we shall then drive. Instead of a few small poor branches to sink and drive m, we have now a large, well-defined, and promising lode.—T. Ganland.

A statement of accounts, from Aug. 5 to Oct. 14, was exhibited, from which the sub

ned is condensed:—					
Balance last audit£1077	16	6			
	18	0			
	10				
Transfer fees	0	0 =	£1587	4	6
Mine cost and merchants' bills £1461	6	4			
Collecting cheques	1	0=	1461	7	4
			-		-

Balance in favour of adventurers £ 125 17 2

diffing discovery the shares advanced 60 or 70 per cent.

Mr. Rvs said he had got into a squabble about the fees which he had to pay, in coefficient of the first of the first

abandon the charge.
A SHARKHOLDER remarked that Messrs. Watson and Cuell objected to it through the lumns of the Mining Journal, and he considered the fee ought to be abolished.
Mr. Rys believed the mine would stand better in the market if the attention were lade. He attended the meeting at the request of Messrs. Watson and Cuell, who were the design of the standard of the market of the standard of the meeting at the request of Messrs.

nable to do so.

Mr. Hallert proposed that the rule passed on Feb. 5, 1857, to charge a transfer fif 2s. 6d. be rescinded.—Mr. Rrts seconded the resolution, which was carried unan lously, and appeared to give general satisfaction.

A vote of thanks to the Chairman terminated the proceedings.

MINING NOTABILIA. [EXTRACTS FROM OUR CORRESPONDENCE.]

DISCOUNT ON CALLS.—The practice of allowing discount on calls it DISCOUNT ON CALLS.—The practice of anothing measurements of paid within the day named is becoming a very general practice, and proved highly beneficial to the companies. All the mines in Mr. Murchison office adopt this plan, and this week for the first time, at the suggestion of Mr. Hallett, it was allowed at North Frances, as it was considered only fair that those who paid promptly should receive an advantage over their co-adventurers who were in arrear for perhaps six months. But there are other advantages—a vast amount of trouble is saved by having only a few arrears, and the shareholders, in many cases, save the whole amount by being in a position to deal with ready money, and obtain from the merchants discount.

PROVIDENCE MINES, AND TRELYON CONSOLS .- A very important ar PROVIDENCE MINES, AND TRELYON CONSOLS.—A very important arrangement was, on Wednesday last, concluded between both these mines. The two sets adjoin, Trelyon being on the north and west. The ends in one part of Trelyon have for some time past been worked up to the boundary between both mines; but as this part of Providence is a long way from their present workings, and, having no spare power, they could not work it without making a new mine of it, and by erection of expensive machinery, &c., which the adventurers were not disposed to do; whereas, on the other hand, it being so close to Trelyon, with the ends from that mine nearly into it, it could be worked by them with a very triding expense. A very good arrangement for both parties has, therefore, been concluded—that is, to work the ground called Trelyon lower boundary, or Trelyon lower mine, conjointly between both, each paying half, the costs, and each taking half the tin, or any other produce therefrom. The part to be drained by means of a rod from Trelyon engine. This piece of ground has long been thought very much of, as considerable quantities of tin have been sold from the old burrows at surface. And white the results will probably be of great importance to Providence, this arrangement has more than doubled the value of Trelyon, and is of the utmost importance to that mine, as their returns may now be expected to increase.

WHEAL KITTY (Lelant) looks well: the four ends recently reserved inter-

WHEAL KITTY (Lelant) looks well: the four ends recently resumed into ted ground (Kitty and Mary) are all opening very good ground, $t \ge 8$. 6d. in 11. Other parts of the mine are also very promising

Work at 2s. 6d. in 11. Other parts of the mine are also very promising.

Great Retallack Mine.—The orange ochre found at this mine, and alladed to in last week's Journal, has been tested by one of the most eminent houses in the colour business in the metropolis, and by one of the largest consumers in the North of England. The result, as was expected, was most satisfactory, as in each instance the colour was declared of superior quality, and orders have been forwarded for a supply. This, it is to be hoped, will assist this young mine, the working of which is carried on by a company of four individuals only. The mine was inspected by Mr. Henwood, who declared the goesan to be a valuable pigment, and whose report stated his opinion was that as soon as the floor of spar then in the shaft should have been passed through, and that would be quickly, the lode would be found more productive, and of better quality. This has been effected, and a fine lode of nearly metallic fron discovered, as predicted.

NORTH DOLCOATH .- Copy of assayers' report of sample from North Dolcoath:— The small specimen of argentiferous gossan has been carefully smalled for Messra. Vivian and Reynolds, and produces 1 oz. 4 dwts. 12 grs. of pure silver, which gives a proportion equal to 3 oz. 6 dwts. 8 grs. to 1 lb. weight of such ore. A careful assay has been made of the remaining specimen of gossan, which gives a proportion of fine silver equal to 1064 ozs. to the ton of ore. — Johnson and Matther, Assay Offices, Hatton Garden.

atton Garden.

Tin Stealing at Pedn-an-drea Mine.—For some time suspicion

The stealing at the fin stores at this mine had been robbed, but detection had been TIN STEALING AT PEDN-AN-DREA MINE.—For some time suspicion has been excited that the tin stores at this mine had been wobbed, but detection had been impossible. Last week a watch was set, when a little after 8 ociock in the evening four men, with a horse and cart, were detected in the very act—one having a bag of tin on his shoulder. They had taken about 8 cwts. of black in (that is, tin ore in its marketable state), worth about 25/. The robbers turned out to be the landlord of a publichouse at Redruth, a person who keeps a set of tin stamps, and buys bargains of tin stone, the man who has charge of the burning-house, and a person who appears to have been employed to carry off the tin. Suspicion had been excited by the circumstance of the burning-house man being able to lend out at interest various sums of 30/. and 40/. at a time, whilst he had only held the situation about 15 months, and his wages no more than about 3/. 10s. per month. The knaves had laid their plot well, as the tin-dresser, carrying a lot of tin to the smelting-house, would have been supposed to have procured it in a legitimate manner at his own stamps. No doubt this system of wholesale plunder has been practised for some time, and to a great extent. The discovery will, we presume, cause the adoption of more stringent measures for the protection of such value. der has been practised for some time, and to a great extent. The discovery will, we presume, cause the adoption of more stringent measures for the protection of such valuable property at Peda-an-drea and other mines. Instances so barefaced as this are of rare occurrence in this county. The four men have been examined and committed to the County Jail, for trial at the Assizes, when they, no doubt, will receive a sentence antificiently severe to deter such attempts for the future. The shareholders in Peda-andrea Mine may well have complained that the yield of tin was sadly short of the representations of the agents, when their property has been exposed to such gross peculation.

reques who, like the besom stealer who chose to have them ready for the market, ed taking the tin when dressed (a most expensive process) to carrying off the over de from the mine. The position of two of the individuals in society has caused surprise, as they were each in a supposed good way of business, and looked on as

BROXBACH MINE.—A letter from Darmstadt gives a deplorable accoun

ASHBURTON UNITED MINES.—Persons interested in the success of min

The Craven Moor Mines are improving, and the company are making pid progress: they are dressing from 20 to 30 tons of ore per month, and the present pearance of the mine promises that the company will be well rewarded for their grea-reseverance in carrying out such an undertaking.

The STONEY GROVES COMPANY have cut into a vein of ore from 18 to in., nearly solid. This is a private company. The set is bounded by the Merryfield the west, and the ore has been found on the boundry between the Merryfield and oncey Groves. About 13 tons have been smelted, which yield a good produce.

Lewis Mines.—An important improvement is announced here, and all report on the mine will be given next week.

WENDRON CONSOLS.—At the meeting of shareholders, held on Sept. 21, was unanimously resolved—"That Mr. Peter Watson's office in London be an office of sterence for this mine." Some very large and rich specimens of tin have been received Mr. Peter Watson's offices this week from the different ides, and he invites share-olders and others to view the same. The mine looks well, and increased dividends exceed. Capt. John Taylor has been appointed manager.

NORTH TRESKERBY MINE progresses as rapidly as the works can be pro-cented. Several transactions in shares of the mine have taken place at a premium. We egret to learn that Capt. J. Rabey, the manager, has been suffering severely from a cold aught whilst exploring the old and wet addis of the mine. Stone of good copperore are cing raised, and the mine is almost daily visited by enquiring mining celebrities or their g can be finer than the gossans and appearances in the levels a hing be more promising for great results than the beautiful chan these lodes are situated.

At Wheal Sidney, the captain reports the prospects of the mine to bost encouraging. The new shaft is now down about 20 fms. The sampling is pro-

DEVON AND COURTENAY .- The lode in the end driving west, in the 100, wide, and, on the whoie, looking much better. They will not be long before they der the ore ground in the 90, which will open up good work. The lode in the back of the 80 will turn out full 3 tons of ore per fathom.

The Porkellis United Mines will be submitted for sale by auction , a steam winding and sta working a large tin mine.

TRESAVEAN MINE.-We understand that the number of application TRESAVEAN MINE.—We understand that the number of applications is shares in this mine far exceeds what the projectors anticipated, several of the most discential of the Cornish mining capitalists having intimated their intention of joining as speculation. We find that the capital proposed to be raised is 25,0001, in 201, shares per share to be paid up at the time of subscription. There is little doubt but that the first meeting every share will be aliotted. Works have already been commenced do re: being raised. The captain confidently affirms that he shall not require more an half the capital named: but those who are acquainted with mining must know at it is better to have ample capital at once than to have recourse to votes for a second rant to work the mine vigorously. Few prospectuses, comparatively speaking, have centissued. Capit Wm. Martin being so well known as one of the most skilled miner at Europe, renders his bringing out so celebrated a mine a work of little difficulty. It proposed, we understand, to call a meeting of intending adventurers by advertisement to the Cornish papers and the Mining Journal, to be held on the mine, at which al reliminaries will be settled, and the mines set to work forthwith.

At Lapy Berrita, a further improvement has taken place, the lode in

At Lady Bertha, a further improvement has taken place, the lode in arter's winze being worth fall 50f. per qu. In the 30 west they have about 2 fathome ore to drive before cutting the lode.

NANGILES MINE.—This mine has been worked some time for sulphuric mundle ores. The workings are now suspended; it is said the prices are not sufficient to induce further presecution. This is to be regs-tied, as in presecuting these works considerabe chances of discovery are afforded. Munox ores which contain from 2 to 3 pc cent, for copper seem to be preferred by the purchasers, and for these qualities there is a ready sale. Considerable quantities of blende are procured to this locality, and a marke is found for it at a fair price.

St. DAY UNITED MINES .- A splendid lode of tin has been cut here Poldice, in the 150 fm. level. This is a great discovery for these mines, and will tencuch to increase their value. On the whole, the tin interest at present is doing better an the copper, and tin mines command a higher figure than others. The price for times to be steady, and the demand good.

HENWOOD'S NEW JIGGING MACHINE.—Capt. W. Martin, of Tresavea Capt. Pascoe, late of Great Wheal Busy, Capt. A. Bennetts, of Carn Bres, an eminent practical miners, have this week examined the model of this machin all pronounce it to be the most effective, practicable, simple, and cheapest yet it led. They concur in opinion that it imitates hand labour as perfectly as may be Anny and promouse is to be the most effective, practicable, simple, and cheapest yet introduced. They concur in opinion that it imitates hand labour as perfectly as may be desired, or is possible, whilst it diminishes the cost by three-fourths at least, and that it hilly answers the purposes for which it is intended; that any sizes of ore may be treated, from the finest copper bottoms to coare ragging. Mr. Henwood purposes submitting it to the inspection and opinions of the signests of some of the large Camborne mines this week, after which it is likely one will be erected of the full size, to test its practical value and efficiency.

ST. DAY UNITED MINES .- We noticed these mines in our Journal las that a large outlay had been expended upon Politice, and that the adven-out resping the reward of their perseverance; since then, we are happy gent reports that they have cleared up Billing's bottoms in the 134, and th from 497, to 509, perfin., and he has every reason to believe it is from as long and no level driven under it. In about a fornight they will com-

NORTH DOLCOATH.—A sample of the lode recently discovered in this mine has been assayed by Messrs. Johnson and Matthey, and found to contain 1064 ozs of pure sliver to the ton of ore. This sample was a fair average of that part of the lod room which it was taken.

TRESAVEAN MINE .- Active neasures are being taken here to get the mine to work: sawyers, carpenters, saiths, &c., are busily employed. A new whim is being fixed at Bray's shaft for handig tributers' work, a large party having been set on. Several tribute pitches have been let in other parts, and the mine promises soon to resume at least a portion of the industions character it once enjoyed. Immense num-

BRYNTAIL MINE.—In this mie a great improvement has recently taken ace. The lode in the 10 fathom leve is yielding 2 tons of ore per fathom.

place. The lode in the 10 fathom leve is yielding 2 tons of ore per fathom.

The Cornubia new iron stem-boat, which plies between Hayle and Bristol, encountered a tremendous gai in the Bristol Chamnel on the night of the 6th inst. The Cornubia is the fastest an most splendid boat on this line. She reached her destination in safety, after a fearft passage, many times being in imminent danger, and avoiding a collision with a large bit, without lights, by only a few feet, when all must have perished. Mr. John Brown, of hacewater, the well-known and much-respected mineral agent, had a narrow escape lined. Being unable to remain in the cabin, he got into the engineer's room, where leay in the bunk, placing his overcoat, containing a large sum of money, under his heads a pillow. He was disturbed by a tremendous sea breaking up the floor of his apartient, when leaping out of bed in the dark he fortunately stepped on the only bit of wol that was left, or he would have gone through tunately stepped on the only bit of wol that was left, or he would have gone through to the paddle-wheel; as it was, he ha no time to think of coat or money, nor dare he again enter the place to seek for their Terror had taken possession of all on board, everyone expecting the vessel to go don Mr. Brown was compelled to remain in succiet for four hours, when he requested saltor, as a hopeless case, to ascertain if his coat were still in the place he left it. The illor found it, washed out of the bunk, and partly through the hole: it had, however, forthately for Mr. Brown, got entangled, and he thus recovered his treasure, though not withit considerable suspense and alarm.

ROSEWARNE UNITED.—A typgraphical error occurred in the extract e gave last week from Mr. Murchiss Review. It was stated that the second cross-tin the 58 was "100 fms." from the "st one; it should have been "10 fms." We unrated the mine is considered to be sking better than it has done for two years past.

erstand the mine is considered to be bring better than it has done for two years park.

REETH CONSOLS.—The sale (materials will take place on Monday, let. 18, at eleven o'clock, and not Tuesy, Oct. 19, as advertised last week.

ROYAL SANTIAGO MINING CAPANY.—In the event of this company leing wound-up, it is fully expected diproperty will be bought by the Cobre Company, a from their partiest would, no Sult, give a better price than other parties. Not-ROYAL SANTIAGO MINING CMPANY.—In the event of the colors company, seing wound-up, it is fully expected the property will be bought by the Cobre Company, a from their position they would, no able, give a better price than other parties. Not-rithstanding all the misfortunes of the antiago Company, the original shareholders, of them there are several, have been any remunerated for their outlay.

CLARENDON OF JAMAICA.—Te whole of the machinery necessary for

CLASTENDUN OF JAMAICA.—Te whole of the machinery nec thoroughly testing the property has he sent out, arrived safe in the colony pected to be in full working operation! the end of the year, when ore wil this country. The shares, although he in price, are very firmly held, pri parties interested in the welfare of Jastea, and aware of the great imports cessful mining in any part of the world. The neighbourhood of the mines, v years ago was a barren waste, now prents cheerful villages, the coloured willingly accepting employment.

MINING MARKET .- We have received the following comm

Mining Market.—We have received the following communications:

From Mr. James Cnorts:—If the lecteurs of the Journal will take he trouble to refer to the letter of the writer of last week, there will be found a discussion on the probability, or otherwise, of the Bank of England reducing the rate of discount, the object of the reasoning employed being to disabase the public mind as to the robabilities of such a step on the part of that institution; and now, they having allowed nother ominous Thurnday to pass over without reducing their rate, it is premiad that he question is a settled one, for this year at least, since the value of money out of doors and in the Bank approximating more closely every day, there no longer exists indicated in the Bank approximating more closely every day, there no longer exists and commerce, become an evidence of the gradual amelioration of all branches of indicated and commerce, become an evidence of the gradual amelioration of all branches of indicated and commerce, become an evidence of the gradual amelioration of all branches of indicated and the strength of the streng

commistrating that the worst period of the year has now passed away, and is supplanted by a cheerful tone, which cannot fail to progress attafactorilyamiti it again reaches also—inte, and it is to be hoped sound, prosperity.

On the mining market, to which the writer, be it understood, devotes his almost exclusive attention, the influence of the preceding circumstances had been very sensity felt, in an advance in particular upon every well-established dividend mine, such as (to cite those who stand at the head of the List) Providence, Mary Ann, Wheal Margaret, Trelawny, Tincroft, West Basset, the Caradons, and some others, for which there is a continuous demand; whilst in progressive mines there has been notable improvements also, as in Lady Bertha, Wiscal Crelake, East Wheal Ransell, St. Day United (occupying an erroneous position in the Dividend List), Valie of Towy, and Kosewarae United; whilst, strange to say, Fendeen, Wheal Harriett, North Downs, Grenville, and West Grenville, so lately special favourities, scarcely exhibit signs of lie, and are yet all assumed to be not only cheap but safe shares. The constantly upward course of Bryntali does high recedit to the predictions some time ago hazarded of its value by a large holder, the shares having advanced from absolutely nothing to 4½, or thereabouts, buyers, and are expected to go much higher.

The shares in North Minera have also undergone a reaction in price, owing probably to (and to that cause alone) of holders of shares at the por price (½); realising handsome profits, a wise act at all times in mining shapes; at the moment, however, the market appears nearly cleared of shares, and they leave off true in price a reduction of 20s. to 30s. from the highest point. The news from the mine continues of a highly satisfactory character, and if there exists lead ore working, or in sight, throughout the mine to the sagregate extent of 12½ tons per fathom, and 20 to 25 tons in course of sampling for sale this month, as is reported, the mine, in 10s0 shares on a

hare is only 20s. We understand that the source, or not begin the especiably placed, and the management is in most efficient and experienced hands.

From Mr. John Robert Pike:—The market for the negociation of British Mine Shares is, as a rule, distinguished by an irregular and spasmodic action, in periods of great monetary pressure this peculiarity is not so much noticed, owing to the weakness and paucity of transactions recorded; whilst, on the other hand, in times when money is both abundant and obtainable, it becomes a prominent, and occasionally a rather disagreeable feature to that portion of the general public who, having no previous equaintance with this description of security, cannot comprehend by what principle of sound trading, and in the absence of any public event of exciting and general application, the shares of any particular mine in which they are desirous of investing can advance in the course of a single day to double, and often quadruple, their previous value, and in a great many instances even refuse to be comforted, by the very obvious explanation that, whilst a falling off in the yield of ore in a lode or vein produces a corresponding fall in the value of the shares, on the other hand, a fresh discovery of ore, or a sudden increase either in the richness or quantity of metal in a lode, must necessarily cause an advance in the market value of the shares they represent, such rise or fail being in exact proportion to the increase or decrease in the value of the property. These facts cannot be too forcibly or authoritatively pressed on the attention of the public, as we are convinced that mining agents, whatever may be their sins of omission or commission,

ing fail in the value of the shares, on the other hand, a fresh discovery of ore, or a suden increase either in the richness or quantity of metal in a lode, must necessarily cause an advance in the market value of the shares they represent, such rise or fail being in exact proportion to the increase or decrease in the value of the property. These facts cannot be too forcibly or authoritatively pressed on the attention of the public, as we are convinced that mining agents, whatever may be their sins of omission or commission, are frequently most unjustly charged with raising and depressing the prices of shares to suit their own convenience, when such fluctuations are not only beyond their control, either individually or collectively, but are the necessary effects of the canses we have specified. Apart, however, from all questions of a general nature, the present condition of the mining market is decidedly exceptional, as regards its general aspect; but not so when its position is considered in relation to the phenomena presented by the other markets for the purchase and sale of recognised securities.

The recent commercial panic, the inevitable result of over-strained credit, which has passed over both hemispheres of our globel like a tornado, its track marked by desolation and mistrost, has been severely felt in the British Mining Market, sensitive and respondent as it always is to the fluctuations in the values of money and corn. When the former of these two commodities became too dear to purchase for home use, the various share markets in this metropolis were completely paralysed; commercial failures almost unparalieled in their number, extent, and ramifications, caused quantities of shares to be forced for sale at whatever price could be realised, thus unduly depreciating the market value of many securities to an extent which could hardly be credited without investigation. It might have been expected, that when how how the public, aluedes, because unemployed; commerce droops, and from the hamble of the proce

should be well understood, so that any rapid advance in share values may be rightly appreciated and referred.

From Mr. Richard Tredinnick:—The mining share market has shown on the properties of the property of the propert shortly in the 44, Just under the short of the control of the capensive to work, and, notwithstanding large and increasing returns, costs of production increase in proportios, whilst rumour asserts a larger and more powerful pumping-engine will soon be required. Providence continues to open out weigh, and dividence of 44. quarterly will be resumed now that the extra expenses of additional machinery are defrayed. Margaret shares have been in great request, and close at improved price freat Wheal Vor shares are flat, and in the absence of buyers the market wears adornward tendency. This mine, formerly so very productive, and now reopened at a very heavy expenditure, must be worthy the attention of capitalists at the heavy discount in now stands at. Great Wheal Busy, 3½, should be purchased; the prospects of success are good, and notwithstanding the disappointment evinced at not finding an old absoluted the standard of the control of the co

THE BRITISH POSTAL GUIDE.—A correspondence has taken place between the Post-office and Sir C. Roney, in consequence of the price of this use book being raised from sixpence to a shilling. The latter contends that there is in the cost of its production to justify the selling price being doubled. The P department admits, in answer, having disposed of the right of publication to parties, and justifies the proceeding as advantageous to the public. This is ment that can hardly be expected to meet general concurrence.

A petition has been presented at the Court of Bankruptcy for a wind-g-up order against the North Lincolnshire shipbuilding Company, and will be heard a t. 23. David Laing Burn, merchant, of St. Michael's House, Cornhill, has been adje-cated a bankrupt. Seven days are allowed in which the adjudication may be disputed. ing-up or Oct. 28. Dr

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AUSTRALIA.

AUSTRALIA.

The delivery of the Marseilles portion of the letters by the Australian mail brings us advices from Sydney to Aug. 11; from Adelaide to Aug. 12; and from Melbourne to Aug. 17. Our correspondent at the latter portions of the deals with redities, mining, and railways, and deed, renders a summary on our part superfluous, as respects intelligence from Victoria generally, for he deals with redities, mining, and railways, and merely leaves us to allude to comprehense, as respects intelligence from Victoria generally, for he deals with redities, mining, and railways, and merely leaves us to allude to comprehense, as that no material improvement has taken place in the general aspect of mercantile affairs since the departure, of the July mail. The apathy in trade and commerce had, however, given an impetus, apparently, to other channels for the employment of capital. In fact, there appears to be quite a change in the public mind, and new projects were springing up every week. Six new associations had been proposed, amongst which were a guarantee company, a fast company, and a water company for the gold fields, engendered, it is stated by the propositions contained in the new Mining Bill, which encourages associated labour in auriferous pursuits.

Our able correspondent, under date of Melbourne, Aug. 16, remarks that "the shortcomings of the European and Australian Mail Company, in their attempts to carry out the contact for the postal service to these colonies, have at last brought matters to a crisis; and we learn on this side, with attifaction, that it is abandoned by that company, and to be continued for six months from July 1 under the superintendence service will be at last established. The stino of which it is to be hoped that an efficient spring that port her engine broke with a fast marking to manufaction, but in such adilisery manuer that, if any any and to be continued for six months from July 1 under the superintendence service will be at last established. The stino of which it is to be hoped that

from Sylney to Use latter port and back, it will be sufficient to mention that by the nortant rout, it is 18,550 miles, which is considerably lengthened by encountering adjaces at the merit increase in the Indian Ocean and the Ref Sea. Taking a cursory again eat, the merit increase in the Indian Ocean and the Ref Sea. Taking a cursory increase at the merit between the trade of the difficulties to contend with in marigating the seas upon this increase and the season of the difficulties to contend with in marigating the seas upon this property of the Comment of the difficulties to contend with in marigating the seas upon this property of the Comment of the Government Gasette amounced that Parliament would be britter proragued until September 10, without intimating that it will not take place until the following months, after the form of the Comment of the Season of the Comment of the Season of the Sea

opened up, are of extraordinary promise." The s were quoted at 142*l*., and Princess Royal at 25*l*.

EASTERN POLYTECHNIC INSTITUTION.—We have much pleasure in recading the opening, in the premises known as the Garrick Theatre, Leman-street, Whitechapel, of a Polytechnic Institution, under circumstances which warrant the expectation that that densely populated district will possess permanently, in its midst, all the advantages which have hither been confined to the extreme west of London. In the early stage of so praiseworthy an enterprise it is not, of course, possible to present the models, &c., which form so interesting a feature in the Royal Polytechnic; but lectures, instructive and amusing, and that class of entertainments latterly so popular both in the Colossoum and Western Polytechnic, have most worthly and effectively inaugurated the unfertaking. The mannaer, Mr. J. D. Malcolm, so well known in the West, introduces his delightful lecture on Natural Magic, with experiments. Mr. Leunox Horne tollows with his lecture on the Humorous Melodies of Old England, with spirited songs by way of illustration, and a beautifully executed series of astronomical dissolving views, leading up to the comet, fulfil the promise that popular science will not be overlooked amidst the lighter class of entertainments. Mr. Malcolm's intimation, that should the experiment now being made prove satisfactory a building in all respects worthy of the important district of the Tower Hamlets would be erected, was received so heartly as to encourage the hope that the Eastern Polytechnic Institution will become a great and permanent fact; and we trust that the influential employers, and others in the neighbourhood, will afford it every countenance and support.

COPIAPO MINING COMPAN	NYRe	port fro	m A	ng. 18	to 31 :-	
Class.					Price,	Value.
M. S. lode, first sulphuret	500		25		26 rs	.\$ 1625 00
Ditto, second, ditto	600		13	******	9	975 00
Ditto, first carbonate	300	*****	23		2314	. 881 25
Ditto, second, ditte						
Quintaleros and burrows	3000		11	*****	7	, 2625 00
Total	5400					97595 00

The Mariguita And New Granada Company.—Advices to August:
—Santa Ana, July cost \$13,031; returns, \$19,769. The returns for August were about \$23,509, cost not received. Under date Aug. 28, the superintendent writes that the lode in the 110 has a most promising appearance; and the branch going north in George's cross-cut has improved.—Marmato, July cost, \$13,762; returns, \$15,282.—Purima, August cost, \$2580; returns, \$3151.

cross-cut has improved.—Marmato, July cost, \$13,762; returns, \$15,282.—Purima, August cost, \$2590; returns, \$3151.

FORTUNA COMPANY.—October 6: Canada Incosa—West of Engine-Shaft: The 6th level, east of Addia's shaft, is producing a little ore, but not enough to value. The lode in the 5th level, east of La Gloria winze, is kindly, and worth ½ ton per fathom. The lode in the 4th level, west of Kendall's winze, contains small strings of lead ore, but not enough to value.—East of the Engine-Shaft: The end in the 4th level, east of Garcias' winze, still continues very hard, with the lode split up in small branches, but not carrying enough ore for valuation. The lode in the 3d level, east of Kendal's winne, Winzes: The lode in El Clavel has declined in value, and is now worth about 1½ ton per sathom.—Winzes: The lode in El Clavel has declined in value, and is now worth about 1½ ton per sathom.—Winzes: The lode in El Clavel has declined in value, and is now worth about 1½ ton per sathom. Earnos shafts: The lode in Londes shaft has rather improved, and is worth 1½ ton per fathom. Carros shafts is communicated with Carros winze; we are now preparing to wall it up, and fix a whim on it.—Los Salidos: The 3d level, east of San Gabriel. Sarrionavos winze was communicated with the 3d level, east of San Gabriel shaft, is worth 1 ton per fathom; the ground continues hard. The 3d level, east of San Gabriel shaft, is worth 1 ton per fathom; this winze has been communicated with the 3d level, east of San Gabriel sarrionavos winze was communicated with the 3d level, east of San Gabriel sarrionavos winze was communicated with the 3d level, east of San Gabriel. Barrionavos winze was communicated with the snot been stripped down since last report. The tribute pitches present no material alteration in their appearance. We estimate our returns for October for engine-shaft he lode has not been stripped down since last report. The tribute pitches present no material alteration in their appearance. We estimate our returns for October for

desired. Barrionnewos winze was communicated with the 2d levels during the past month. The new winze sinking below the 2d level is worth 3½ tone per im.; the ground is rather hard.—Shafts: At Morris's engine—shaft the lode has not been stripped down since last report. The tribute pitches present nomaterial alteration in their appearance. We estimate our returns for October at 230 tons.

Linnare Lead Minisco Companies.—October 6: Pozo Ancho Mine, West of Engine—shaft.—South Lode: We still continue cross-cuttieg south in the 85, west of cross-cut, there is no appearance of the lode as yet. The 73, west of Carillo's winze, is worth 1½ tone per fathom; the lode is divided into parts, and letting out much water. The 41, west of Warne's shaft, is worth 1½ ton per fathom.—The 130, west of Cocilios winze, is worth 1½ ton per fathom. The 10c earlier and kindly, and worth ½ ton per fathom. The 10c earlier and kindly, and worth ½ ton per fathom. The 10c earlier and kindly, and worth ½ ton per fathom. The 10c earlier and the 10c earlier and 10c earli

WILDBERG MINING COMPANY.—Capt. Walls, Oct. 9: The ore sampled and weighed off to the smelting-works for September is 185 tons 12 cwts. of silver-lead ore, at 49 6-10ths per cent. produce for lead, and about the average produce for silver, together with 34 cwts. of good quality copper ore. The lead for as 14 tons 8 cwts. less than our estimate, in consequence of the men remaining as home for the harvest, while houst now be nearly over, and no doubt we shall get a regular supply of hands, and if so we shall endeavour to raise the returns for the present month above our estimate. The deep adit end, driving east from the Turken sink, is again in ore ground, and worth at present 1 ton of silver-lead ore per lachter.

we shall endeavour to raise the returns for the present month above our estimate. The deep adit end, driving east from the Turken sink, is again in ore ground, and worth at present 1 ton of silver-lead ore per lachter.

CENTRAL AMERICAN MINING COMPANY.—Alotepeque, August 28: San Pantaleon Mine—San Vicente Level: Since the 10th inst. the north part of the lode has been intersected in this level, and two ends extended east and west on its course from the cross-ceut. I am glad to state that our anticipations have been realised respecting the velu in this part of the mine; for at the point of intersection it was found in good ore of a rich ley, which has continued more or less up to the present time. In the level driving west six men have drives 8 varas, at \$7 per vara. In the present end it is 20 in, wide; and although the ore it contains is more disseminated through the lode than in the castern level, it still produces a large amount of "broza" of good quality. The end east has been extended \$4\forally \text{ varas, by six men, at \$6 per vara.} Here the vein is 1 ft. wide, carrying with it a splendid branch of rich ore against the south wall \$4 in. in width, and the remaining part of the lode is nearly all saving work. The lode being found so rich in this level (San Vincente) has enhanced the value of San Partelon Mine considerably, there being not less than 20 fathons of virgin ground over it to be worked away; and as the level is exibaded eastward, the depths of backs will become deeper.—San Damasio Lovel: The velin, which is still in a disordered state in this level, is about 1 ft. wide, composed of flookan, calc-spar, iron pyrites, and has produced a little ore of moderate quality. It is doubtful whether the lode in this level will become more settled until found on the castern side of the cross-course No. 3. Dolore's level, which from its great inclination will be intersected some fathoms further west than it was in Dolore's level. That been induced from the kindity appearance of the north branch in this lev

stepe, in which case this will be a very valuable its holding up to the level above San Damas ie piece of ore ground, as ito, where there is a rich

stope, in which case this will be a very valuable piece of ore ground, as there is no dealth of fix holding up to the level above San Damaslo, where there is a rich tode going down a transport of the control of the c

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY.—Melbourne, August 14: The quantity of quartz crushed at Clunes during the mouth of July (five weeks) was 1536 tons. Receipts for crushing same, 4096/. 10s. 4d.; expenditure, 2533/. 14s. 10d.; showing a profit of 1552/. 15s. 6d.; the expenditure includes 316/. for materials, repairs, and renewal of stamps, &c., not fairly chargeable to the month's account. The resident director had taken advantage of a diminished supply of quartz to have the 20-head stamps and engine thoroughly repaired; one side (eight heads) was finished and at work, and the remaining 12 heads would be finished in about a week. A new pan had been fixed to the Chilian mill, and was at work, being very useful for testing small lots of quartz, for which stamps are unsuited. Arrangements have been made by the Clunes Mining Company to work the alluvial ground to the east of the quartz reafs, and looks likely to turn out well. This company are to receive 5 per cent. of the gold raised, and are relieved of all expenses in connection with it. The resident director had, however, let to the men engaged in this work one of the small engines originally used for the Chilian mill at a fixed sum per diem, they find, labour, materials, &c. A further remittance of 1609/c, is to hand, making 3509/c on account of dividend fund, and he states he will do his best to continue the same. The quantity of gold melted at the assay office during the month of July was 33,848 ozs.

ENGLISH AND AUSTRALIAN COPPER COMPANY.—Adelaide, Aug. 10: The managers states:—"There are aix furnaces now lighted, and in good order. The wages of almost all the mechanics had been reduced 1s, per diem, and the labourers 5s, per week; several of the men had been dispensed with, and others put upon piece work. Wood was being delivered at the works as required, and there was an abundance in the scrub. The ore shipments next season would be about 5000 tons."

BOS ACCORD MINING COMPANY.—Adelaide, Aug. 11: Dickson's Shafe:

wood was being delivered at the works as required, and there was an abundance in the scrub. The ore shipments next season would be about 5000 fons."

BON ACCORD MINING COMPANY.—Adelaide, Aug. 11: Dickson's Shaft: This shaft has been sunk 5½ fms. during the month, and is now down 18½ fms., and at that depth a level has been driven 9 feet west through the lode, which is about 13 feet wide, composed of soft spar, prian, and some iron: 12 fathoms set to be driven south, at 34. 5s. per fm.—Elder's Shaft: The 21, driven north from this shaft, has now been extended 24 fathoms, and Capt. Jeffrey expected to complete the communication between Dickson's and Elder's shafts in the course of August. At Elder's shaft, the level south has been driven towards the south boundary of the property 11 fms., through a very kindly lode, and at about 3 fms. from the end thereof a cross-cut has been driven cast. 7 fms., and at about 3 fms. in this direction a branch 3 feet wide has been cut, which is composed of spar, gossan, and spots of ore. In reference to this shaft, and the levels running from it, Capt. Jeffrey still expects, as he proceeds deeper, to have a good course of ore. The engine-shaft when last reported on was down 7 fms.; it is now sunk 11 fms. The steam-engine and engineer had arrived out safely, and every effort was making to convey it to the mine, and erect it at the shaft prepared for it. The report of the views of the committee of management continues favourable, the Chairman, in his letter, observing—"Patience must be exercised, and I am very much mistaken if the eventual results will not prove satisfactory."

MINING IN JAMAICA.

Wheal Jamaica Copper Company.—Sub-agent Francis writes from Charing-cross Mine, under date Sept. 23: "There is no alteration to notice in either of the ends of the 65. The lode in the winze is from 4 to 5 ft, wide, composed of a very light porphyry, spotted throughout with yellow copper ore, carrying a small but good branch of the same on the hanging wall."—Mr. 6. B. Nethersole writes from Castle James, on Sept. 21: "Since last writing, I beg to inform you that the extent of our present driving at Mount Woolrys, No. 1, is 9 fms., carrying a rich branch of ore on the eastern side, but the heavy nature of the ground prevents our making faster progress. As soon, however, as we arrive at the end of the old workings, which is now ascertained to be between 4 and 5 fms. distant, I have every confidence in the result of our meeting with meet profitable returns, as I think there is another rich branch of ore to the east-ward, which is exposed to surface."

RIO GRANDE MINING COMPANY.—Capt. Arthur reports that there is no change in the mines, and that he has a good quantity of ore ready for shipment; and when he can procure animals to bring it down he will send it. He has also found a fine stone of grey ore in Ladysfield, a part of Brookdale, about 50 yards from where he is at present working, and is desirous of following this up so soon as the proprietor of the land has taken out his crop of "ground provisions," when researches can be made without detriment. Ore in abundance, and easily worked.

Ellersle and Bardowie Mining Company.—The ore in the underlie shaft has been cut out by a cross-course, which Capt. James considers will continue for 0 ms. deeper, and purposes to sink on the underlie of the lode from the present perpetually and the present working, and is desirous of following this up so soon as the proprietor of the land has taken out his crop of "ground provisions," when researches can be made without detriment. Ore in abundance, and easily worked.

CLARENDON CONSOLIDATED MINING COMPANY OF JAMAICA.—Josiah Martin, Sept. 22: Since I last wrote you we have cut down the engine-shaft to within about 4 ft. of the hottom. I expect to get it completed by the end of the month, or soon in October, all being well. The lode is just as it has been for the last 6 fms., about 4 ft. wide, and has two pretty smooth walls. We are obliged to be very careful in blasting therefore, as the pumps are small, and we are rather fe full in working so e y near them in case a stone should strike them and cause a little delay. I said in my last that I was about to put the men to cut through the cross-course to find the north lode that has been broken up by the cross-course. I think we have cut it to the east of the slide, it is about 2 ft. wide, worth about 12f. per fm., composed of rich yellow and black copper ore, and priam. It is a very fine looking lode, and kindly for a further improvement; I hope to see more by next week. My opinion is that you have a good and lasting mine in Stame ford Hill if it is properly worked; what has been donet is nohing towards proving the ground. The men are making good progress in timbering the top part of engine-shaft, also in putting the boiler together. I hope to have it completed by the end of the month, weather permitting. The masons will be here on Monday to commence the engine-house, and all parts of the work are progressing antisfactorily. CLARENDON CONSOLIDATED MINING COMPANY OF JAMAICA,—Josiah

WADEBRIDGE.—The Camel Slate Quarry has recently so much improved that the slabs (some from 120 to 140 ft. in a stone) and roofing are of a very superior quality. It is, therefore, more than probable that the adventurers in this concern will be amply remunerated for their perseverance and heavy outlay. And considering the few slate quarries in this county, and the supply continually required, we heartily wish them success, because not only is the neighbourhood in which the quarry is situate very materially benefitted, but also the country generally, preventing as it does that monpoly which has for some years been attempted in the Cornish slate trade.—Plymouth Jour.

Mining Correspondence.

BRITISH MINES.

ABBEY CONSOLS.—J. Trewin, Oct. 9; The lode in the engine-shaft is producing some saving work for lead. The lode in the 10, west of the engine-shaft, is yielding 3 evens of lead one per fin. The stopes in the back of the 10 east are worth 8 cwts. of lead per fin. The lode in the 10 and, east of engine-shaft, is getting in a more settled state. The stopes in the back of the lattle, west of engine-shaft, are worth 6 cwts. of lead per fin. The lode in the 10 and, east of engine-shaft, are worth 6 cwts. of lead per fin. The lode in the castern shaft is much the same as last reported, worth 8 cwts. of lead per fin., and is of the same fivourable character. The stopes in the back of the 10, west of the castern shaft, are much the same as when I wrote you last, worth from 10 to 12 cwts, of lead per fin.

such the same as when I wrote you last, worth from 10 to 12 cwts. of lead per fm.

ALFRED CONSOLS.—T. Trelease, T. Hosking, Oct. 13: Field's shaftmen are now agaged in dividing the shaft from the 160 to the 170, in order to put down skly road; c lode yet intersected in the 160 cross-cut, north of said shaft. The north lode in the 160, cast of the flockan, is worth 67, per fm. Davey's engine-shaft is now aunk as deep; the 130, and we have set a cross-cut to drive north through the main lode. This de in the 120, cast of said shaft, is much the same as last reported. In the cross-cut that, at this level, we have not yet intersected the south branch, but expect to see it about 2 fms. more driving. The main lode in the 110, cast of the above shaft, is 5 fm. wide, spotted with ore. The south branch at this level, west of No, I winer, is orth 201, per fm., and cast of said winner, from 204, to 251, per fm. This brench in the 0, driving cast, is worth 201, per fm. The new north lode in the 170, cast of flookan, 2\frac{1}{2}\frac{1}{2}\text{ cwt.} wide, composed of mundic, spar, and blende, yielding good spots of ore. No ANGAREACK CONSOLS.

304, fit. wide, composed of mundic, spar, and blende, yielding good spots of ore. No other change to notice.

ANGARRACK CONSOLS.—J. Barratt, Oct. 12: Cox's engine-shaft is down 5 fms. 1 ft. 9 in. below the 12; the lode in the shaft is 6 in. wide, composed of quartz, mundic, and flookan, with coassional spots of yellow copper ore. The 12 cross-cut end, being driven north, is in 11 fms. 2 feet 3 in. from Cox's shaft, and continues to yield much water; I think, from the appearance of the end, we are very near a lode.

BALLYMONEEN.—Wm. Barkia, Oct. 9: In the 25 cross-cut south our progress has been rather slow this week, in consequence of the hardness of the ground; driven since last report 2 ft. 6 in.—total, 3 fms. 4 ft. The 25 cast is in mineralised ground, with water coming from the end, and making good progress; driven since last report 4 ft. 6 in.—total, 4 fms. 2 ft. In the adit cast the ground looks shrourable for opening, and producing a little sulphur; driven since last report 5 ft.—total, 45 fms. 6 in. We have suspended operations at Johnson's Hill; in sinking the winze. We shall commence on Monday to clear up another old shaft.

BALLYMGRIN.—D. Macdonald, B. Pellow, Oct. 7: The winze has been sunk 5 feet on the course of the lode, which is large, but poor; in the present bottom there is a branch of coppery mundic about 8 in. wide, the rest of the lode being composed of limestone, with spots of copper and lead throughout it; set to six men, 1 fm. stent, at 80, per fm. In the north end we have come upon a change of ground, which has unheaded the lode; since last report we have broken a considerable quantity of gossan, containing malleable copper, but near the present end it is composed of soft yellowish clay, which we think is a slide, and which we are of opinion has heaved the lode. Fm. In stent, at 80, per fm. in the set at 10 to 10 to

BEDFORD CONSOLS.—J. Mitchell, Oct. 14: In the middle adit level we have cut to the lode 4 ft., and no north wall as yet; the lode is composed of soft spar, peach undic, capel, and a little copper ore; the end is letting out a great quantity of water nd looks well for an improvement.

into me tone 4 h., and no north wait as yes; the tone is composed or som spar, pracin, mundic, appel, and a little copper over; the end is letting out a great quantity of water, and looks well for an improvement.

**EEDFORD UNITED—Jas. Phillips, Oct. 12: The lode in the 130 cast is 4 ft. wide, and is worth 3 tons of over per fm. Paull's stopes in the bottom of the 115 cast are worth 2½ tons, thoughts of the 130 cast is 4 ft. wide, and is worth 3 tons of over per fm. Paull's stopes in the bottom of the 115 cast are worth 14 tons level is still worth 4½ tons per fm. We are driving by the side of the lode in the list west, and sinking by the side of the lode in the winze in this level is still worth 4½ tons per fm. We are driving by the side of the lode in the list west, and sinking by the side of the lode in the winze in the 130 was level. Millman's stopes in this level are worth 4 tons per fm. The lode in the 163 west is 4 ft. wide, and worth from 2 tons to 3 tons per fm. Warne's stopes in the bottom of this level are worth 5 tons per fm. There has been mo lode taken down in the 47 and 35 fm. levels east during the past week.

BODCOL.—F. Evans, Oct. 9: Evans s shaft has been sunk since last report 5 feet—making the total now sunk below the 10 fm. level 11 fms. 1 ft. We have some good branches of lead under the north wall of the lode, which looks promising.

BODLING WELL.—J. Delbridge, Oct. 9: The engine-shaft is set to sink by eight men, at 22 ter wide, yielding a little lead, but not to value, worth 2t. 15s. per faithom. In the 60 west the lode is 3½ ft. wide, but poor; set at 2t. 7s. 6d, per faithom. In the 60 east the lode is 3½ ft. wide, wide from 15 cast, and londer. In the 60 east the lode is 3½ ft. wide, will be a stone of lead, and to londer. In the 60 east the lode is 3½ ft. wide, will be a stone of lead, and to londer. In the 60 east the lode is 3½ ft. wide, replained from 15 east at 2t. 2s. per faithom. In the 60 east the lode is 10 ft. wide—tribute ground; set at 2t. 5s. per faithom. In the 6

BRONFLOYD.—M. Barbary, Oct. 13: The south or caunter lode, now stripping down in James's rise, is of a most promising description, and yielding at present full \(\frac{1}{2} \) for of ore per fathom. The north lode in the various stopes and drivages throughout the mine is without atteration. We shipped on Monday last the parcel of lead ore sold or Sept. 28, to Mosars. John Bibby, Sons, and Co.

BRYSTAIL.—J. Roach, Oct. 14: The lode in the 10 east still produces a ton of lead ore per fathom. The part of the lode previously driven by is still being cut down, which is also producing a ton of ore per fathom; these being the only operations on the course of the lode speaks volumes in favour of the property. I expect the ventilation of the 25 cross-cut will be perfected this week, and the driving towards the lode in that level will be resumed next Monday.

cross-cut will be perfected this week, and the driving towards the lode in that level will be resumed next Monday.

BULLER AND BASSET UNITED.—G. Reynolds, Oct. 9: We are making every effort to get the shaft down as soon as possible, the lode still presenting that promising appearance in depth as to warrant success almost certain.

— Oct. 14: The lode at the shaft is improving, yielding copper and mundic throughout, and fully 4 feet wide; I have every confidence in this lode proving productive soon.

BWLCH CONSOLS.—R. Northey, Oct. 9: The lode in the 10-1s in a disordered state; we are getting under that piece which has disordered the lode in the levels above; it appears to get longer, and the orey or productive part shorter, as we go down, as in the 60-the ore ground was 16 fms. long, and at the 70 it is only 11 fms. Therefore I would not recommend the sinking of Pwilthrynaid shaft, until the 70 is more fully developed, as at this time the indications will not warrant it. All the rest of our operations are progressing satisfactorily.

CALSTOCK CONSOLS.—W. B. Collom, Oct. 14: In sinking the engine-shaft under the 24 a portion of the lode in the bottom of the shaft has been taken down, and is found to be from 2 to 3 ft. wide, composed of white iron, capel, fluor-spar, and ore, and will yield of the latter about 5 tons to the fathom; the lode continues to improve in sinking. In the 24 cass the men have been engaged in taking down the lode in the end, and find it to be a good orey tode for about 2 ft. wide. The lode in the stopes in the back of the 24, west of winze, will yield about 5 tons of good ore to the fathorm. There is no alteration to report in the 12-east, or in the winze sinking under the adit level.

CALSTOCK UNITED.—Capt. Win. Cooke, Oct. 14: Our drivage in the 28 and for

CALSTOCK UNITED.—Capt. Wm. Cooke, Oct. 14: Our drivage in the 28 end for the last four weeks by four men measured on Saturday last 7 fms. 4 ft., where we cut through the lode, and find it rather in a disordered state by the influence of the cross-course, but earrying amail veins of the not to value. The ground in the end is still awourable for driving, at 45s, per fm., and would be let at a lower price had not the min been standing as it now is. The wet weather appears to be set in, which enables us to stamp by day with 24 heads. We are getting about the tributers' work as fast as possible

CAMBORNE CONSOLS.—W. Roberts, Oct. 12: There is nothing new to report. CAMBORNE CONSOLS.—W. Roberts, Oct. 12: There is nothing new to report. CARDIGAN CONSOLS.—J. Sanders, Oct. 11: During the past month the 20 west has been driven 2 fms. 1 ft. 3 in., where stones of ore are met with occasionally, but not surfacent to set a value on as yet. The 10 west has been driven 3 fms. in very unsettled ground; the part of the lode driven on for the last 5 fathoms has been unproductive, in consequence of which a cross-cut has been commenced to drive north, in which direction 1 am ofopinion the productive part of the lode is to be met with; this cross-cut has been driven 2 fms. 6 in., where the character of the lode is much the same as for some time past, producing a little ore occasionally, but not sufficient to value. The No. 1 cross-cut, 15 fms. west of shaft, has been driven 1 fm. 4 ft. 6 ins., making altogether 3 fms. 2 feet from the side of the level, which is through the lode, and is suspended; the lode at this point is unproductive. The No. 2 cross-cut, 70 fms. west of shaft, has been driven 1 fm. 5 ft. 3 in., making altogether 3 fms. 3 feet from the side of the level; in this cross-cut, about 9 feet from the side of the level; in this cross-cut, and 19 feet from the side of the level; in this cross-cut, and 19 feet from the side of the level; in this cross-cut, and the side of the level expense good stones of ore still standing in the back of the level, where I intend to stope a few fathoms to accertain its value. The No. 3 cross-cut, east of shaft in the 20, has been driven 3 fms. 1 ft. 5 in. from the side of the level; we calculate there is from 1 to 2 fms. more to drive to communicate with the winze sunk below the 10; this cross-cut has been unproductive as yet; a few fathoms have been stoped away in different places, but the ground being very hard, and the lode poor, some of the men have been removed to been unproductive as yet; a few fathous have been stoped away in different places, but the ground being very hard, and the lode poor, some of the men have been removed to other places which appear to be of a more promising character to make discoveries.—Saturday last being our pay and setting day, the following bargains were set:—The 20 to drive weat, by six men, 2 fms. stent, or the month, at 84. 10s. per fathom. The 10 to drive east, by four men, 2 fms. stent, or the month, at 84. 5s. per fm. Mo. 3 cross-cut to drive north from the 10 west, by four men, 1 fm., or hole, at 84. A cross-cut to drive north from the 10 west, by four men, 1 fm., at 54. To stope in the back of the 10, in No. 2 cross-cut, by four men, 2 fms. stent, at 34. 5s. per fm. A pitch in the bottom of the 10, west of footway shaft, by six men, for two months, at 34. per ton for lead ore. No there tribute pitches were set on Saturday, but probably some will be set again in the course of a few days.

CARMARHEN ENTERD.

ore. No other three prices of the control of the co

small pitwork.

CASTELL.—F. Evans, Oct. 9: The 10 east has been driven since last report 1 fm. 5 ft. making the total driven east of the cross-cut 3 fms. 5 ft.; the prospects are encouraging. The lode produces lead, copper, and blende, and we are only carrying a portion of it.

CATHERINE AND JANE CONSOLS.—R. HATT: The lode in the deep sidtle end driving north-west, continues much the same as last reported, 1 ft. wide, unproductive.

The stopes north-west of No. 4 wings are worth 10 cwts. of one per fin. The stopes north-west of the rise are worth from 12 to 14 cwts. per fin. The stopes south-east of No. 3 wings will yield 5 cwts. of one per fins. The rise in the cross branch is worth full 12 cwts. of ore per finbour; as soon as this rise is holed to the stope in the bottom of the level, 5 fins. above the deep adit, we shall have a great many fathoms of ore ground laid-open at this point, which will greatly assist our returns. The middle adit level is still opening well, the bode in the present end is about 18 in. wide, producing from 12 to 15 cwts. of good ore per fin., and showing signs of further improvement.

CEEN BIRWYNO.—Oct. 6: The lode at the 80, driving east of the cross-cut, south from Taylor's shaft, is 8 ft. wide, composed of bleade, spar, and clay-slate, intermixed throughout with spots of lead ore, with a promising appearance. The lode in the 68 end, driving east of Taylor's shaft, is 3 ft. wide, and will produce at present full 1 ton of lead ore per fin. This end, from all appearance, has now reached the run of ore ground seen gone down in the bottom of the level above, and, from present prospects, we shall open out a good piece of ore ground in the back of the 68, cast of Taylor's shaft. The lode in the 68 or deep adit level, east of Taylor's shaft, is 4 ft. wide, with a promising appearance, producing asving work. We have taken the men from the cross-cut north in the 20 for a short time, and have put them to drive the 44, east of Taylor's shaft, where I think we shall not have more than about 6 or 5 fms. to drive to reach the sum of ore ground seen in the 56. We have only taken the men from the cross-cut until we have proved the ground a little in the 44, after which we shall put the men in the eross-cut again, as there is a good deal of water coming out of the present end, and we have not passed the line yet of where the lode is likely to be, from what can be seen at the surface, but we have taken the men from this point t

going on regular.

CLARA.—S. Trevethan, Oct. 13: Our water-wheel is regularly at work, and the water in fork; men are putting in a tram-road, and expect to finish to-day. This will prove a saving upon that of wheeling of at least one-third. By Monday next the men will commence operations in the different bargains. The crusher is working remarkably well, and we have began dressing, and hope soon to get a parcel of ore for market.

COLLACOMBE.—Samuel Mitchell, Oct. 12: During the last week the 84, west of the western shaft, has been driven 9 ft., and the lode is greatly improved, being composed of quartz, capel, prian, and 1 ton of good ore per fm. The stope in the back of the 62 is still worth 3 tons of good ore per fm. The 40, east of Morris's shaft, has been driven 9 feet; the lode is of a highly promising character, composed of quartz, blende, prian, and rich copper ore. Other operations progress well.

CROWNDALE.—J. Richards, Oct. 14: In the shallow adit level cross-cut north the

worth 3 tone or some state of a highly promising character, composed the lode is of a highly promising character, composed to the lode of a highly promising character, composed continues case of the lode in the pitch below the 30 is improved, continues easy for progress. The lode in the pitch below the 30 is improved.

worth full 4 tons of ore per fm.

CWM SEBON.—J. Boundy, Oct. 7: The spindle belonging to the drawing-machine
broke on Wednesday last. We have taken it out and sent it to the foundry at Aberystwith. We hope to get the new one by Tuesday or Wednesday next, when every effort
will be made to get the mechine to work again as soon as possible. The lode in the 70
cast is much the same as last reported on. No lode has been taken down in the 70 west
during the week, in consequence of the end being full of stuff, and not being able to
draw it away. Those men are now engaged in the 20 cast, opening on the course of the
lode, where it is 1 ft. wide, and looking promising, although at present not much lead
to value. The lode in the 60 cast maintains its size and character as reported last week.
In the 30 cross-cut, driving cast on the course of the lode, the lode is about 9 in. wide,
and a little harder for exploring. The stopes and tribute pitches are without any
important change.

important change.

DALE.—R. Niness, Oct. 14: The 43 cross-cut is now down 3 fms. towards the Pipe vein, but has not as yet cut it. A slight breakage in the engine has hindered us; this is now repaired. The ground in the 26, going towards the Lum, is without alteration. The stopes eastward on Johnson's lode, in the back of the 20, are still poor, producing some good ore, also the end driving east in the back of the rise, but the end going westward is still poor.

DEVON AND CORNWALL UNITED.—N. Neill, Oct. 12: During the past week the lode at William and Mary adit level has exceedingly improved, being now 3 ft. ride, and worth 2 tons of ore per fin. There is no change to notice in any other part. DEVON AND COURTENAY.—T. Bawden, Oct. 13: Our lode at the 100, driving reat, will turn out 1 ton of ore per fm. The lode in stopes in back of the 80 is word tons of ore per fm. The pitches are much the same as reported last week.

DEVON BURRA BURRA.—Capt. Lord, Oct. 14: The ground driving north and south a the 40 is favourable for progress; it is composed of a light killas of the clay-slate for

DEVON BURRA.—Capt. Lord, Oct. 14: The ground driving north and south in the 40 is favourable for progress; it is composed of a light kills of the clay-slate formation, such as is always found to be congenial for mineral. We are making good progress in driving at White's shaft; to-day we met with a branch 4 in. wide, bearing east and west; this we shall drive on east a little to prove it.

EAST CARN BREA.—T. Glauville, Oct. 12: The engine-shaft is sunk 4 fms. 3 ft. below the 14; in the present bottom the lode is 20 in. wide, composed of gossan and copper ore, yielding 2 tons of the latter per fm. The 14 is extended 12 fms. 3 ft. cast of the engine-shaft; in the present end the lode is 15 in. wide, yielding 2 tons of copper ore prim. The 14 is extended 4 fms. 4 ft. west of the shaft; we have to-day taken down part of the lode, which is 1 flot wide, composed of gossan and copper ore, yielding 1½ ton of the latter per fm. We have now at surface about 30 tons of average quality copper ore, the inter per rm. we have now at surrace nont 30 tons of average quanty copper ore.

EAST GUNNIS LAKE AND SOUTH BEDFORD CONSOLS. J. Phillips, oct. 12:
The lode in the 75 west is greatly improved, being now 3 ft. wide, and worth from 2 te
The stopes in the back of the 49 west are worth 2 tons per fm. The lode in the 36 cast
on north lode, is 4 ft. wide producing saving work.—South Lode: The lode in Coward's
shaft is 3 feet wide, yielding good saving work. The lode in the 36 cast is 2 ft. wide, worth 1 ton of ore per fm.

EAST ROSEWARNE.—J. Delbridge, J. James, Oct. 9: In the 43 north rose-cut the ground is still flavourable. The 43 south is more favourable than usual. In the 33 west the lode is large, but poor. In the 22 cast, a good branch of ore, from 6 to 9 inches wrinze in the 22, on north lode, the lode is 10 in. wide—tribute ground. In Mathewa's wrinze in the 22, on north lode, the lode is 10 in. wide—tribute ground. Our pitches on the north lode are a little improved. In the 22 west, on the south lode, the lode is 6 in. wide, yielding stones of copper ore, and good stones of lead.

EAST TAMAR CONSOLS. -G. E. Tremayne, Oct. 13: There is no particular alteration in any part of the mine since last week's report. The lode in the engine-shaft and

EAST TREFUSIS.—J. Pope, Get. 13: At the engine-shaft, sinking below the 22, the lode is 2 feet wide, containing stones of copper ore. In the 22, west of engine-shaft, the lode is 3 ft. wide, composed of quarts, fluor-spar, and spots of copper ore. In the 22, east of engine-shaft, the lode is 2½ ft. wide, containing stones of ore, with a very promising appearance. In the adit level, east of engine-shaft, the lode continues in two parts; the south part yielding stones of copper ore.

south part yielding stones of copper ore.

EAST WHEAL FALMOUTH,—W. Hancock, Oct. 12: The 20 west, on Chennall's lode, will produce 5 events, of lead and 7 evens, of lack per fin.; the winze behind this end will produce 14 evens, of lead and 7 evens, of lack per fin.; the winze behind this end will produce 14 evens, of lead per fin., which is sunk to water, and suspended for the present. I have put the men to stope the ground to the west of it, where the lode will produce 14 evens, of lead per fin. The stopes north and south of rise from the 30 to the 20, on the canter lode, will produce 10 events, of lead per fin. The stopes north and south of rise from the 30 to the 20, on the canter lode, south of Tyack's lode, will produce 10 events, of lead and 5 evens, of jack per fin. The 30 west, on Chennall's lode, is producing stones of jack, but not to value. We are daily expecting to see a change in this end for the better, as there is a good bunch of lead gone down in the bottoms below the 20, about 2 fins, to the west of the present end. The same level south, on the caunter lode, is producing good stones of lead and jack, saving work. The engine-shaff is sunk about 10 ft. below the 30; ground just as last reported. No change to notice in any other part. I hope to have 30 tons of lead to pile by to morrow evening.

EAST WHEAL RUSSELL.—W. E. Commins, Oct. 9: Some very encouraging lock.

in any other part. I hope to have 30 tons of lead to pile by to morrow evening.

EAST WHEAL RUSSELL.—W. E. Commins, Oct. 9: Some very encouraging looking ore was broken this afternoon from the 88; this looks well, and will, I hope, lead on to success. You shall be advised again on Tuesday. Capt. Goldsworthy is unwell,

— W. E. Commins, Oct. 12: I have just come back from East Wheal Russell. Capt. Lean has been underground with Capt. Goldsworthy to-day, and they concur in speaking most favourably of the 88, as indicating something very good ahead; the end is very wet, which carries away the fine black ore. It will be a good job done when the ahaft is communicated, for the sake of ventilation.

EAST WHEAL TOLGUS.—Oct. 9: Redruth Consols Lode: The lode in the 46, east rom the engine-shaft, is 8 in. wide, unproductive. In the rise in the back of the 34. EAST WHEAL TOLGUS.—Oct. 9: Redruth Consols Lode: The lode in the 46, east from the engine-shaft, is 8 in. wide, unproductive. In the rise in the back of the 34, rising towards John's shaft, the lode is 2½ ft. wide, producing good stones of copper ore, and saving work for tin.—a very promising lode. The lode in the 22, east of John's shaft, is 3 ft. wide, producing stones of ore, and asving work for tin. The stope in the bottom of the 22, west of Stephen's winze, is yielding 2½ tons of ore per fin., and saving work for tin. The stope in the bottom of ore per fin. for the length of shaft (19 ft.), and saving work for tin; this shaft is locking well. In the 12, east of John's shaft, the lode is 2 ft. wide, producing stones of copper and tin. In the 12 cast of John's shaft, the lode is 2 ft. wide, producing stones of copper and tin. The stope in the bottom of the 12, west of John's shaft, is yielding 2 tons of ore per fin., and the stope in the bottom of the 12, west of John's shaft, is yielding 2 tons of ore per fin., and the stope in the bottom of the 12, east of John's shaft, is yielding 2 tons of ore per fin. The ground in the 12 cross-cut south is just as when last reported—rather hard.—North Lode: In the adit level, east of the engine-shaft, the lode is 8 in. wide, consisting of soft spar and gossan, with spots of black copper ore.

EXMOUTH.—W. Skewis, J. Nicholis, J. Rodda, Oct. 14: The lode in the 66 north is not quite so good as last reported, now being worth ½ ton of lead ore per fin. The south end at this level we have suspended for the present, and put the men to cross-cut west in order to prove the lode in that direction. We have three pitches working in the back of the 66 north, tributes varying from 2t. 10s. to 4s. per ton; the lode in one of these pitches is very much improved, and will now yield 1½ ton of lead ore per fin. The cross-cut west from the 40 north has intersected another lode, which is yielding some good stones of from the 40 north has intersected another lode, which is yielding some go

lode. The 45 to drive south on same lode, by two men, 3 fins, stent, at 21. Ibs. per fin.; the lode in this end is at present disordered by a slide. The 60 to drive south on east lode, by two men, the month, at 21. per fin.; the lode producing ocasional stones of lead and blende. The 72 to drive south on east lode, by four men, the month, at 21. per fin.; the lode producing ocasional stones of lead and blende. The 72 to drive south on east lode, by four men, the month, at 21. per fin.; the lode is 3 ft. wide, producing saving work. The winze to sink in the bottom of this level, south of shaft, by four men, 5 mes, or hole, at 31. 5s. per fin.; the lode is from 4 to 5 ft. wide, yielding from 6 to 7 cwts. of ore per fin. The winze to sink in the bottom of the 73 north, on the east lode, by two men, 1 fin. stent, at 51. floe. per fin.; the lode and ground in this winze is at present harder than usually seen in the mice, lode consequently unprojective of lead to vasible. A rise in the back of the 72 north, on the west lode, by two men, 2 fins. stent, at 51. per fin. The same remark will apply to the lode and ground in this end as that in the winze in the bottom of the 72 north, on the east lode, to drive by four men, 2 fins. stent, at 51. per fin. The same remark will apply to the lode and ground in this end as that in the winze in the back of this level, by two men, at 36. its per fin. The 54 south, on the east lode, is auspended, and the men put to rise against the winze coming down from the 72 senth; set to six men, 5 fins., or hole, at 31, per fin. The tribute settings are as follows: -A new pitch in the back of the 60 south, or east lode, by two men, for two months, cut down and taken at 18. The ribute settings are as follows: -A new pitch in the back of the 60 south, or east lode, by two men, for two months, at 21. 10s. per fin. Hyman's late pitch in beak of 12 south, by two men, for 2 months, at 21. 13s. per fon. In Admittion to the above we have pitches working at the following tributes:—One in the back of t

the mine to notice since ass. week.

GERNICK.—Jas. Barratt, Oct. 13: During the past week we have cut threigh the lode mentioned in my last, and found it to be the south part of the lode, spoken of a stringht since. The branch under the head wall is 10 in. wide, and that on the footwall is 00 iu. wide, including the horse. The part on the footwall is composed generally of a dark elvan, containing black oxide of copper, yellow copper ore, and mundic; it has a very promising appearance, and, in my opinion, will be found very productive of mineral; its bearing is north-east, and dips north-west about 4½ ft. in a fathorn.

recovery promising appearance, and, in my opinion, with one onto very protective or mineral; its bearing is north-east, and dips north-west about 4½ ft. in a fathorm.

GOGINAN.—Oct. 6: No change of importance his occurred in any part of this mine my last report. The lode in the winze sinking below the 60, or deep skill level, 40 ms. west of Bryn Pica shaft, is 4 ft. wide, yielding full 1 ton of lead ore per fm. The lode in the winze sinking below the same level, 70 ms. west of shaffl, is 3 ft. wide, and will produce from 1 ton 5 cwta, to 1 ton 10 cwts. of ore per fm.; this witze will be deep enough to start a 10 fm. level east and west of the winze in a few days. There is no attentation in either of the cross-cuts since my last report, but the ground is a liftle more favourable for driving. These cross-cuts are being pushed on with all possible specific the tribute pitches over the 60 are looking as usual, yielding on an average about 9 cwts. of ore per fm. The lode in the 30, driving west of the cross-cut, north from the boundary shaft, on the north lode, is 4 ft. wide, yielding good stones of ore, at times saving work. This level is being driven by two men and two boys. The tribute pitches at the different levels in the old part of mine are yielding a pretty dead of ore, and on the whole looking pretty well. The pitch in the bottom of the deep salit level at Levelnewydd, 50 fms. west of the cross-cut, is yielding a hout 14 cwts. of ore per fm.; It to six men, at 9t. per ton, including all cost.; the dressing, &c., with all other things here, are going on all costs of the days at that will pay for handling over and leave a little profit: all these things are being well attended to, and everything done to get out as much ore from it as possible.

GREAT DOW GAS UNITED.—J. Dale, S. M. Rogers, Oct. 12: The engine-sial is

over and leave a little profit: all these things are being well attended to, and every done to get out as much ore from it as possible.

(REAT DOWGAS UNITED.—J. Dale, S. M. Rogers, Oct. 12: The engine-sha sunk 38 ms. below the deep adit, or 83 ms. from surface, divided and cased, for pull in, plat cut, and the whim-kibble brought to draw the stuff therefrom, as working well. The shaftmen have been engaged since the last week in August divided and cased, for out the shaft shall be shaft to deave the south towards which we divided in the last week in August divided and cased in the shaft shall be shaft shall be shaft and towards which we divided in the shaft shall be called the shaft shall be shaft shall be shaft and towards which we driven 17 ft. The ground in the present end is of a light blue clay-shale strature regular cleavage, and congenial for mineral, and can be driven by six men from 4 fms. for month. Charles's shaft has been cleared and and ky four men, 8 ms. 3 ft. and a cross-cut driven north 2 fms. 2 ft., and have cut through the lode, which is up in branches, and is now suspended. We have cleared west from the said shat the bottom of the old men's workings, 5 ms., but the lode is poor, and is also pended. We have put two men to stope in the deep winze 10 fms. below the deep lode 7 ms. wide, composed of spar, mundic, copper, peach, and tits, but not enouge either to value, though altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether it is a very kindly lode, but is suspended altogether in the love of the south cross-cut at the bottom of the shaft, that being 25 ms. deeper. We think there is a better chance to find it ri

will, we believe, leave us a profit of from 20% to 30% per month. All the min working well.

GREAT SHEBA CONSOLS.—Thos. Richards, Oct. 7: I have this day inspeabove mine. First I examined Kelly Hole, about 170 fms. east of the old gaight A shaft has been sunk here, and a 10 fm. level driven therefrom about 5 fms. clock in the end contains chiefly capel and mundic, with some spots of copper. I do in the end contains chiefly capel and mundic, with some spots of copper. Ashaft a small portion of low priced or was found, but this depth would be tool expect to find any great quantity of ore, even on a congenial and promising to 20 has been driven west from 6 to 7 fms.; near the shaft the lode has been ope and found to be from 4 to 5 feet wide, containing chiefly capel and mundic with copper ore; it is, however, extremely hard, and cearse in appearance, and without copper ore; it is, however, extremely hard, and cearse in appearance, and without is not been supported to the containing chiefly capel and mundic with there is still some paying ore ground, and found the whole of the works auspent western shaft has not been sunk for upwards of two years; this I consider as If the money that has been spent at Kelly Hole been laid out in this part of the sinking, drivages, &c., under and in the run of ore ground there would have be and reasonable chance of success on this lode. I have no hesitation, after a and reasonable chance of success on this lode. I have no hesitation, after a calculations, in saying now, as before, that the shaft can be sunk 40 fms. deep water-wheel. I admit in a very dry season there is always a scarcity of surface water-wheel. I now the continued through the west season, and the despead the dry; by so doing, there would be no difficulty, with proper and good pitce, and the surface and was informed it was to erect houses on for burning the copper ore and pyrites, that the ore could be made worth 7t, per ton, and the arsenic soot 3t. when refined 17t, per ton. Be this as it may, it is a £ s, d. matte

GREAT TREGUNE CONSOLS.—J. Spargo, Oct. 14: The 70 is much in week, having cut into a lode 3 feet wide, a great part of which is good work to expect of GREAT WHEAL ALFRED.—M. W. Michell, Oct. 9: We have partly taken down the lode at Copper-house shaft, which is from 4 to 5 ft. wide, worth for the whole length (12 ft.) from 50f. to 60f. per fm. We had to remove the shaftmen to repair our skip road, otherwise we should have taken down the whole of the piece standing, as state in our last. The lode in the 190 west is 2½ ft. wide, worth 15f. per fm.; the lode in the 170; we shall now resume the driving of the 180 west. The lode in the 17h has an Improved appearance, producing fine stones of lead. We think we are nearing the ore zone down in the 160. The skip-road is again in good working order, and at

the ore gone down in the 160. The skip-road is again in good working order, and at the other machinery is working well.

GHEAT WHEAL BADDERN.—J. Jenkin, Oct. 9: I beg leave to remark that I is two ways for the further working of this mine—lat. To commence shaking a new shain in the castern valley, and take up the materials and abandon the old mine, then remove the one of the common of the contract of the common o

GREAT WHEAL BUSY.—John Nancarrow, Oct. 9: In the 50 west we have looking lode, which has improved in the past week, and is worth for copper 84.5 There has not been much lode taken down in the 80 since last week. The lode

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so was and is larger, but does not produce much ore. In the 99 cast the lode is better dafined than it has been for some past; it is now about 2 ft. wide, presents a very promising appearance, and indicates further improvement. In the rise under Offord's shaft to lode is 4½ feet wide, worth 30½, per fin. The 100 cast is worth for the length of the shaft fit in 26½, per fin. 25½, per fix theore. Harvey's shaft is worth for the length of the shaft fit in 26½, per fix opper, and so soft that it will require to be timbered all the way to the deep addt. The calliding of the engine-houses goes on briskly; the carpenters' shop is completed, and the sulting of the engine-houses goes on briskly; the carpenters' shop is completed, and the sulting of the first process. The sulting of the first process of the sulting of the first process of the sulting of the first process of the sulting of the sulting of the first process of the sulting of the first process of the sulting of th

in the bottom of this level, west of shaft, the tode is 4 ft. 6 it. wide, worth 40/, per fin. In the 10 cast the lode is 3 ft. wide, not producing the enough to value. No change to notice in the tribute department.

GREAT WEAL VOR, UNITED.—T. Gill, Oct. 12: Wheal Metal: The engine-shaft is ank about 9 fms., 3 feet below the 110, on afetal tode, which is 3 feet wide, and producing occasional atoms of the ore, and looks very promising to improve shortly. The winzs sinking below the 110, west of the engine-shaft, on Metal tode, which is 2 feet wide, and worth 10f. per fathom. The 110, west of the engine-shaft, on Metal lode, is 1 foot wide, and poor for mineral. The 10, west of the engine-shaft, on Metal lode, is 1/4 foot wide, producing good stones of tin ore. The 90, west of the engine-shaft, on Metal lode, is 1/4 foot wide, poor for mineral. The 70, west of the engine-shaft, on Schneider's lode, is 1.6 ft. wide, producing good stones of tin ore. The 90, west of the engine-shaft, on Schneider's lode, is 1.6 ft. wide, producing good stones of tin ore. The 90, west of the engine-shaft, on Schneider's lode, is 1.4 ft. wide, producing good stones of tin ore. The 90, west of the adm on change for the last week in the 70 cross-cut, driving north to intersect the north lode.—Wheal Vor: The 204, driving east of Boritase's engine-shaft, on the main lode, is 2 feet wide, roducing good stones of tin ore. The 30, west of the lode looks very promising to improve shortly. In the 248, east of Bounder shaft, we are driving by the side of the lode; we intend to drive it about 6 ftms. further asta before cross-cut-ting. We commoned to-day to drive the 248, west of Bounder shaft, we are driving by the side of the lode; we intend to drive it about 6 ftms. further asta before cross-cut-ting. We commoned to-day to drive the 248, west of Bounder shaft, we are driving by the side of the lode; we intend to drive it about 6 ftms. further asta before cross-cut-ting. We commoned to-day to drive the 248, west of Bounder shaft, to explore th

GWYDYR PARK CONSOLS.—H. Rawson, Oct. 14: In the Cross Mawr ode on the hanging wall contains strong spots of lead, better than I have ever score. The main lode, also, contains some mixture of lead ore; both lodes are

HARWOOD.—Jos. Race, Oct. 8: The new vein is looking very promis ave not seen it look so well as it does at present. No alteration to not art of the mine. We shall have about 6 tons of ore ready for delivery old at 121. 13s. 9d. per ton.

of the lode since my last report, with the exception of its dropping a little more floworlight, and the water gradually increasing.

KELLY BRAY.—S. James, Oct. 9: There is no change worthy of notice in the 135 sast during the week. In the stopes in back of the 85 west there has not been any lode taken down in the past week. The men have been engaged in desuing the lode, and will commence taking it down about the middle of next week. The lode in the winze in the 45 west is about the same value as lastageported, worth 30), per fathoun; the above last has been sunk about 11 fathoms through a lode on an average worth from 251, to 30), per fathom, and we calculate there are from 7 to 8 fathoms of ground slanding between both points of operation—the stopes and winze. The lode in the 46 east is worth 52, per fathom, at kindly lode. The tribute department is a little improved.—Eastern Mine: Walson's shaft has been sunk 2 ms. below the 50 in favourable ground, and we hope to be down to the 66 in four monts from this time. In the 40 cross-cut north our progress has been slow during the past week, owing to the end being in a hard capel, but we keep it is changing for the better. We have commenced dressing ore for another

sampling with all possible dispatch.

LACKAMORE.—Oct. 11: The pitches are looking well at this time, better indehan I have seen them for some weeks past, but the stopes are not quite so good. I han I have seen them for some weeks past, but the stopes are not quite so good, and it is one containing ore of good quality.

a, however, premature to say anything as to the value, as we have only just made to liscovery. One important feature is, it is in whole ground, and before another week shall have made some trial upon it, when I will report its appearance and prospect we have been trying to obtain a vessel, but as yet have not succeeded; but small we have been trying to obtain a vessel, but as yet have not succeeded; but small we have been trying to obtain a vessel, but as yet have not succeeded; but small we have no

MOLLAND.—T. Bennett, Oct. 13: The lode in the 32 west is 2 feet wide, esent; a floor is, however, rising up from the bottom of the end, which appear

ow have at surface, dressed and to pile, to be 20 tons.

NANTEOS AND PENRHIW.—H. Boundy, Oct. 11: The engine-shaft is down fathoms below the 20, the lode is 3 feet wide, yielding some good stones of ore, an ooking promising for further improvement, but very spare for sinking. In the 20 eas the men have been engaged during the past week in stripping down a part of the lod-ritch was left to stand on the south, as stated in a previous report; the lode at this int is from 5 to 10 feet wide, composed of mundic, spar, and lead ore, yielding of the lotter from 10 to 12 cwts, per fathom. The winze below the 10 is now sinking by sine, in order to communicate with the 20 at this point as quick as possible, which will restly assist us in driving, the air now being rather confined. The stope in back of this very large to the contribute, to two men, at 71, per ton; also a pilch in bottom of the 30, so two men, at 71, per ton. Other pitches are without any alteration to notice. It wishers were consequently branches of some visual substantial to notice.

NETHER HEARTH.—W. Vipond, Oct. 7: There is another change in the end, and of the better. The ground is easier the whole height of the drift, and good ore upon the uside. We have not had time to break in upon this, as the men only came upon it te last night. The easy part of the vein is about 12 in. wide, filled with clay, loose

four in the end, two in the stope, and two in the cross-cut. Three boys dressing the work.

NORTH BASSET.—Thos. Glanville, Oct. 12: We have this day sold tin ores to the smount of 2001. Iss. 6d. The lode in the 52 is yielding 2 tons of ore per fin. The other parts of the mine are without alteration to report on.

NORTH BULLER.—T. Glanville, Oct. 11: In the 84 cross-cut, north of Louisa engine-shaft, we have not as yet intersected a lode; in the present end the ground is betaler for driving. We have taken down the lode to the bottom, and find it composed of hard capels, and a small portion of yellow copper ore.

NORTH DOWNS.—W. Johns, J. Grenfell: We have nothing new at the engine-shaft since last reported; the lode is very regular, with good appearances. In the 30, east of shaft, there is a very promising lode, yielding about 2½ tons per fin., and likely to continue. In a winze sinking under the 20, before this end, the lode is composed of blende, mundic, and spots of ore. In the 20, east of Bennett's shaft, the lode is 12 the loge is the lode is 12 the loge is 12 the loge of the increased quantity of water, showing us to be near the lode. In the 10 cross-cut, south of the engine-shaft, the ground is six-ourable for driving, but no lode has yet been met with. Our tribute department is much the same as for some time past.

NORTH LAXEY.—J. Horsley, Oct. 9: Our south end is improving a little for lead;

NORTH LAXEY.—J. Horsley, Oct. 9: Our south end is improving a little for lead; we have white and blue lead in the gossan on the lying side, and pleces of lead through the rock; the voin is getting larger than it has been, and the lying appears to be coming on again more to the north, so that we shall have to keep more to the hanging side; the vein appears to be a little troubled with strings, so that I cannot say much about the tigs of the vein. We have nothing new in the other places of the mine. We have sent the 16 tons of lead away to-day.

NORTH LAXEY.-R. Rowe, Oct. 13: The 12 driving south she

OKEL TOR.—Wm. B. Collom, Oct. 14: In the 50 east we have cut the main part of the copper lode to the north of the hard capels; here there is a good oray lode for about 3 feet wide, which from its loose character will be speedy for driving in. There is still more lode to cut into to the north, which we believe contains also ore. In the winz sinking under the 50 the ground is favourable for sinking in; the lode here has not beet cut into for the last fortnight. In the 65 we are cutting through the copper lode by the side of the cross-course. The ground at the engine-shaft, sinking to the 30 fm. level, con thus very known side.

going wost at the \$3, on engine-lode, has improved, words words of blende per fathom; the slopes behind this end are worth 3 tons of blende, per fin. The winzs now sinking below the 16, \$4 ton of copper ore per fathom.—South Lode: The end going of \$4 ton of copper ore per fathom.—South Lode: The end going west not not copper ore per fathom for the length of the going west no lode taken down, but we hope to do so in a week, you its value. The new south lode going west at the trial shi is 1 ft. wide, mixed throughout with copper ore and mundic, but the pitwork is progressing well, and our dressing is going on sat — *Ptegram, six o'clock Priday morning: The \$2 fathom levs worth \$5 tons of copper and blende. The stopes above are we blende. The rise above the \$2, on south lode, is worth \$5 tons of copper and blende. The stopes above are we blende. The rise above the \$2, on south lode, is worth \$5 tons of copper \$4 to in a beautiful channel of killas: the men are getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to ne getting good \$10 west, on new south lode, is worth \$4 to new getting good \$10 west, on new south lode, is worth \$4 to new getting good \$10 west, on new south lode, is worth \$4 to new getting good \$10 west, on new south lode, is worth \$4 to new getting good \$10 west, on the \$10 west \$1

At is in a bount indee, is worth \(\frac{\pi_0}{\pi_0} \) to per lation of copper. The cross-cut in the \(\frac{\pi_0}{\pi_0} \) to maintiful channel of killas; the men are getting good wagas at 11.18s, per fin PEDN-AN-DREA.—Capts. Carpenter, Delbridge, and Thomas, Oct. 9: The lode at the engine-shaft, sinking below the \(\pi_0 \) is from 40 \(\pi_0 \) ft, wide, producing tow price stamping work. The ends driving west from the engine-shaft, in the 90, on the engine and Skimmer's lodes, are of a promising character, producing tinstuff of low quality. The rise in the back of the 68, west from engine-shaft, is worth 81, per fin. There is a little improvement in the 55 east, on the new lode; we have broken some good stones of copper ore from this end in the past week. We have sold for September 25 tons 2 cwts 1 qr. 18 lbs of black tin, for 16304. So. 9d.

PEMBROKE AND EAST CRINNIS.—J. Date, G. T. Trewren, Oct. 12: The 162 cross-cut, south of Reid's shaft, the lode is 5 feet wide, and worth 154, per fathom. The lode in the stopes in back of this level, cast of footway winze, will produce 2 tons of ore per fin The lode in the stopes in back of this level, cast of footway winze, will produce 3 tons of ore per fin The lode in the stopes in back of this level, cast of Smith's shaft, the lode is 9 feet wide, worth 164, per fathom. In the 100 cm, cast of Smith's shaft, the lode is 9 feet wide, worth 164, per fathom. In the too or ore per fathom. In the tops in back of the same level the lode will produce 3 tons of ore per fathom. In the tops in back of the same level the lode will produce 3 tons of ore per fathom. In the tops in back of the same level the lode will produce 15 tons of ore per fathom. In the tops in back of the same level the lode will produce 15 tons of ore per fathom. The tops in back of the same level the lode will produce 15 tons of ore per fathom. The tops in back of the same level the lode will produce 15 tons of the produce and 15 tons of the produce and 15 to 15 tons of the produce and 15 to 15

shaft sunk 4½ feet.

PENDEEN CONSOLS,—W. Eddy, Oct. 9: In our 94 fm. level north the lode is large but poor for ore, with very much iron. In the 82 north the ground is good for driving we have now found the run of ore, which we have been expecting to cut, and which we are now stoping away from each end of the 70 winze; the lode does appear to be very promising, and likely to produce much ore. In the 70 north the ground is good for driving; no lode has been broken for the last two weeks. In the 70, new winze, the lode looking very well, but spare for sinking, with much water; from this winze we hav hauled up some very kindly looking ore, and it is opening some good crey ground. Out stopies are looking much the same as last reported. Our tributers have got a very goo month's work for last month, at 10s. in 11, and we are now going on very satisfactorily The machinery, with our dressing and surface work, is going on well, especially on crusiner, which has to-day crushed in three hours 15 tons.

ROSEWALL HILL AND RANSOM UNITED .- P. Roach, Oct. 13: Since Oct. 6 we pleces of limestone, and small stones of cre. Altogether, it presents the most promising appearance I have yet seen since the mine became poor. There is every reason to expect a rich piece of ground between the present end and the next cross veln. The stope is yielding 5 or 6 ewts. of ore per fm.; stoping at 50s. per fm. Two men are taking up the bottom of the cross-cut to the Sun string. If this should prove productive in the low fat it will materially increase our returns. There are eight men working in the mine-fur in the end, two in the stope, and two in the cross-cut. Three boys dressing the work.

NORTH BASSET.—Thos. Glanville, Oct. 12: We have this day sold tin ores to the smoont of 2001. 16s. 6d. The lode in the 62 is yielding 2 tons of ore per fm. The other

The regular surface work, together with the preparatory work for the steam-stamps, is going on favourably.

SIGFORD CONSOLS.—J. Hosking, Oci. 12: During the past week the main lode in the eastern shaft has much improved in size and character; it is now 3 ft. wide, composed of mundle, peach, and quartz, with a leader of gossan on the hanging-wail 1 ft. wide, thickly impregnated throughout with rich looking copper ore. The costeaning, north of the No. 2 lode, has continued to be carried on, but as yet no other lede met with.

SITHNEY WHEAL BULLER.—T. Gill, Oct. 12: The 80, driving east of the north engine-shaft, on Metal lode, is from 2 to 9 ft. wide, but poor for mineral; it has improved very much since we have intersected it to the east of the cross-course. The 70, driving east of the north engine-shaft, on Metal lode, is 2 ft. wide, producing occasional stones of tin ore; this lode is also very mine improved to the east of the cross-course. We are sinking a winze below the 70, east of the north engine-shaft, on Metal lode, but I cannot say anything about its value, asign have not taken down any of the lode since we commenced to sink. The engine and pitwork are working very well.

SORTRIDE CONSOLS.—H. Jackson Oct. 14: We are progressing with the sinking of Hitchins's engine-shaft as fast as possible; lode 3 ft. wide, yielding good stones of ore; in the 8s west the lode is 4 ft. wide, composed of spar, capel, mundic, and good stones of ore. In the 62 west the lode is 2½ feet wide, and unproductive. In the 74 west the lode is 2½ feet wide, and unproductive. In the 50 driving east, on the south lode, we have cut a cross-course: we have not cut the lode to the last of it yet. We have commenced a rise in

the back of the 50, west of the cross-course; the lock is $2\frac{1}{2}$ ft. capel, mundic, and stones of ore. In the stopes in bottom of the δ 2 tons of ore per fathom. In the 40, driving north, no lock h

SOUTH CARN BREA.

SOUTH PENHALDARVA. John Poin the 20, and interested

We have driven about 2 ms. rurther, which is in a occuration kinks, and very diagensate for lead, but have not yet seen any more lode; as soon as anything more is seen you may depend on having the carriest information.

SOUTH WHEAL BETSY.—C. Bartle, Oct. 12: The mine is favourably progressing. In the winze on the western lode the lode is 3 feet wide, composed of mundic, gossan, spar, flookan, and good stends of lead. In the pitch north of whim-shaft the lode is 4ft. wide, worth 30!, per fathom. In the whim-shaft the lode is still large, producing some saving work; other parts of the mine much as when last reported. At surface we have the road completed for taking the lead to the quay, and shall engage six wagons to-morrow for that purpose, and hope to have 30 fons to quay by the 19th.

SOUTH WHEAL TOLGUS.—Oct. 2: Youren's Lode: The lode at Michell's engine-shaft, sinking below the 110 fm. level, is 2 ft. wide, producing stones of ore; In the 110, east from Michell's shaft, its lode is 6 in. wide, producing stones of ore; the lode in the 110, west from Michell's shaft, is 2 ft. wide, producing stones of ore; the lode in the 110, west from Michell's shaft, is 2 ft. wide, principle grows of ore per fin. The lode in the 100, west from Michell's shaft, is 8 ft. wide, yielding 3½ tons of ore per fm. The lode in the 100, west from Michell's shaft, is 8 ft. wide, yielding 5½ tons of ore per fm. The lode in the winze sinking in the bottom of the 100, west from Michell's shaft, is 8 in. wide, unproductive. The lode in the 90 cast is 16 in.; and the three stopes in the back of the 100, west from Michell's shaft, is 8 in. wide, unproductive; The lode in the 90 cast is 18 in. wide, unproductive; the lode in the winze sinking in the bottom of the 30 cast is 18 in. wide, unproductive; the lode in the winze sinking in the bottom of the 30 cast is 18 in. wide, unproductive; the lode in the winze sinking in the bottom of the 30 cast is 18 in. wide, unproductive; the lode in the winze sinking in the bottom of the 30 cast is 18 in

100 sacks. A level now driving on the course of the low with venture and open index stopes on this lode. Our prospects at this level are very good. Barker's lode at the 25 is looking well, worth quite what last reported; we have got this lode going on west. I believe from this lode alone, when opened further west, we shall raise nearly our present quantity of tin; other stopes and parts of the mine without alteration. I have two or three very important points proving in the lode south at the 25, and Barker's lode west. Should these points prove as I anticipate, our returns in a few months will considerably increase, if not almost double the present.

ST. DAY UNITED.—Wm. Teague, Oct. 11: Politice District; We have cleared a portion of Billing's bottoms, and so far are much pleased with the prospects that present themselves. We have broken some capital specimens of tin, and the lode altogether we value at from 401 to 501, per fathom, and have every reason to believe that there is from 60 to 70 fathoms of similar character ground in length, and no level driven under it; this is by far the best thing we have ever seen in these mines, and hope in a fortnight from under the said bottoms. We have commenced the driving of the 134, east of Billing's, to come under the said bottoms. We have commenced the driving of the 134, east of Billing's to come an alteration in any of the other tutwork worthy of notice since last reported on. SUNNY SIDE.—T. J. Bell, Oct. 13: Our operations at the mine continue to progress favourably. About the end of this week we shall make the adit a total leugth of 390 ms. We have a full complement of men employed just now, who keep the work poing on without cessation the whole of the week. Mr. Smith will very nearly finish his contract by the end of this month. No change to notice in the nature of the ground.

TAVY CONSOLS.—J. T. Phillips: The cross-course in the 90, on which we are driving south, has become small and hard; thus rendering our progress slower than we expected; the killas is of a l

shaft, the lode is 1½ ft. wide, yielding rich stones of copper ore. There is no alteration worthy of remark in North Tincroft since our last.

TOLYADDEN.—The negine-shaft is sunk 9 fms. 1 ft. below the 20. The 20, east of the engine-shaft, is driven 27 fms., lode 10 feet wide. The 20, west of the engine-shaft, is driven 30 fathoms, yielding about the same quantity of ore per fathom; we have three pitches in the back of this level tooking well. Pattern's shaft is communicated to three dit level, about 25 fms. from surface. Gundry's shaft, sinking under the 10, is sunk 5 fms., ground much improved for ore. We have about 230 tons of ore dressed on the floors. The new dressing-house is completed, and we are enlarging our ore floors, the present space being too small to contain the ore.

TYNE HEAD.—G. Millican, Oct. 9: We have a little alteration limite level; the appearances indicate that we are near cutting a veln. There are about six bings of ore ready for delivery: sold at 16t. 5s. per ton.

VALE OF TOWY.—T. Harvey, S. Harper, Oct. 12: The lode at Clay's engine-shaft, sinking below the 60, is much the same as for some time past, producing a small quaptity of lead, but not to value; ground favourable for sinking. The lode in the 50, north of this shaft, is 2 feet wide, but unproductive. The lode in the 60 south is 3½ ft. wide. Of this shaft, is 2 feet wide, bath and the composed of barytes and lead, producing of the latter 8 cwts, per fathom. The lode in the 60, north of Small shaft, is 34 feet wide, producing 10 cwts. of lead per fin. The lode in the 50, north of said shaft, is 3 feet wide, producing 10 cwts. of lead per fin. The lode in the 50, north of said shaft, is 3 feet wide, producing 10 cwts. of lead per fin. The lode in the 50, north of said shaft, is 34 feet wide, producing 10 cwts. of lead per fin. The lode in the 50, north of said shaft, is 34 feet wide, producing 10 cwts. of lead per fin. The lode in the 50, north of said shaft, is 34 feet wide, producing 10 cwts. of lead per finhom. The lode in Nos

MEST BASSET.—W. Roberts, Oct. 12: North Lode: In the 124 west the lede con-inues 3 R. wide, producing good ore, tribute ground. In the 124 west the lede con-ride, with occasional stones of ore. In the 104 cast the lode is 2 R. wide, tribute ground. In the 114 west the lode is 2 R. ide, with occasional stones of ore. In the 34 cast the lode is 2 R. wide, producing stones of ore. In the 34 cast the lode is 6 R. wide, producing stones of ore. In the 34 cast the lode is 6 R. wide, producing 2 tons of ore per fathom.—Engine Lode: The sinking of Percy's haft is suspended in consequence of meeting with a hollow lode and an increase of water. In the 65 west the lode is 3 R. wide, producing 2 tons of ore per fathom.

nant is suspended in consequence of meeting with a hollow lode and an increase of water. In the 65 west the lode is 3 ft. wide, producing 2 tons of ore per fathom. WEST PAR CONSOLS—J. Webb, Oct. 13: The 65 driving east is rather slow to rive, lode large and unproductive. The lode in the 55, at Dawke's shaft, where we are utting shaft plat, is large, containing a little tin. We have resumed driving the 45 fm. we lose that and find the lode producing good copper. The stopes in the bottom of the 45 re yielding good work for tin. We have put in a good portion of the wagon-road in lawke's shaft. We have 14 steam before the control of the wagon-road in

WEST ROSEWARNE UNITED.—W. Richards, Oct. 8: In the 50 six men are to cut through the lode, at 51. 10s. per fathom. There are four men driving the 50 on north lode, at 31. 10s. per fathom; lode 2 feet wide, composed of spar, mundic greens, with a kindly appearance. There are two men rising in the back of the 50 on the branch, which is producing about ½ ton per fathom. The 40 east, on south is 1 foot wide, but poor.

greens, with a kindly appearance. There are two men rising in the back of the 30 evis, on the branch, which is producing about \(\frac{1}{2} \) to per fathom. The 40 east, on south lode, is 1 foot wide, but poor.

WEST SHARP TOR.—W. Richards, Oct. 11: The part of the lode being cut into in No. 2 cross-cut, in the 110 west, is composed of less peach, and more quartz and capel, and, although it is more spare for progress, it yields mundie, and some good stones of rich copper ore—a promising point. Morris's engine-shaft is the required depth for a 125 fm. level, but it will take the men the greater part of the week to square it; the ground in the present bottom being clvan, and of the same description as for many fathoms above. The ground is continuing hard in the castern part of the mine.

WEST TREVELYAN.—J. D. Osborn, Oct. 9: Cater's shaft is sunk 10 fms. 3 ft. below the 10; it is now in a clear blue killas; on Monday next we shall cross-cut to Park lode, which I hope to see the latter part of this month. The east end in the 10 is poor; we have abadoned it for the present, until we see the lode in the 20. In the 10 west, on Park lode, we have intersected a cross lode, with some beautifuit stones of grey ore; altogether it is a very pretty lode, and I think our next level will turn out something good. Our adit level, going west, is poor, but a large lode, and a very kindly appearance; we hope in a few fathoms driving to cut the cross lode seen in the 10.

WEST WHEAL GRENVILLE—Oct. 9: The lode in the adit end west continues kindly in appearance, and is worth about 64, per fm. for copper. We are progressing with the new shaft with all possible dispatch. We calculate sampling, on the 20th inst., about 10 tons of pretty good ore.

WHEAL ADDAMS.—R. Moore, Oct. 14: There are six men now engaged in cutting the plat at the 40, north of new engine-shaft; the same will, i hope, be completed, and the cross-cut west commenced, by the end of the week. I am fully satisfied that little has been done on any of the lodes at this

that I see new shall en remove the remove the carance of eculation. I from I a small, not his is the e, by tak-has been the carance of the lode below the without a n 20s. per nd sink a draw the e prove to meer sett, work the to the work the to the caray the example of the caray the car

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ing the flues. The engineer for beinging in the water is

for bringing in the water is pushing forward very well.

WHEAL ARTHUR.—T. Carpenter, Oct. 11: The adit level is driven west of crosscourse, on the south lode, T fathoms through ore ground, worth on an average 121, per
fisthom, and the lode continues equally as good in the present end. The castern end, in
the same level, is driven 4½ fathoms east of cross-course, where the lode is now yielding
splendid stones of copper ore. I have every reason to believe the lode in this end will
be equally as good in a fathom or two more driving as it is in the western end.—Eastern
Mine: We have not taken down any lode in the 20 east this last week past, but shall
cut through the lode in a few days, and then I will immediately inform you of its size
and value.—North Lode: The lode in the wines sloking in the bottom of the adit west
is 5 fest wide, yielding good stones of copper ore. There is no particular change in any
other part of the mine since last report.

other part of the mine since last report.

WHEAL EDWARD.—M. H. East, Oct. 9: North Lode: Since my last communication the shaftmen have been engaged squaring down the shaft and stripping down the lode, from which we have broken some rich quality ore. It is a good change, but the shaft must go desper to prove the result. At present I am inclined to think that the ore is coming in from the western ground; if it prove so, it will be a good thing for the mine. There has been some of the orey part of the lode taken down in the winze this week, but at places where we have cut into it occasionally it is looking very well. The ground in the 52 west is tooking better, driving by the side of the lode.—Senth Lode: We have just commenced sinking the engine-shaft below the 71, over the lode. The lode in the 71 west is worth fully 1½ to of ore per fin. In the same level cast the lode is worth 1 ton of ore per fathom. The lode in the stop in the back of the 71 cast is worth 2½ tons per fathom. The lode in the 71 cast is yielding saving work. All other points are much the same as last reported.

WHEAL EMMA.—W. Goldsworthy, Oct. 14: The engine-shaft is now down about

is worth 2½ tons per fathom. The lode in the Tl cast is yielding saving work. All other points are much the same as last reported.

WHEAL EMMA.—W. Goldsworthy, Oct. 14: The engine-shaft is now down about 3 fms. below the 46, and the ground of much the same character as stated in previous reports. The 46 saat is still opening out tribute ground. In the 46 west we have cut in north, and met with an increase of water, which I have been long expecting; the lode, so fir as seen, is about 2½ ft. wide, and I am glad to state produces good atones of ore; when cut through we shall drive on its course, as I consider the lode will be casier than the country for driving in. The lode in this level has considerably improved, and has now a very promising appearance. The new pitch in the back of the 46 east is looking exceedingly well, and three men, at 3s. in II., will have no difficulty in raising 30 tons of rich ore should its present yield continue. Other parts of the mine are without change. We weighed off, on Saturday last, 52 tons of fair quality ore, and hope to obtain a considerable increase by next sampling.

WHEAL HARRIETT.—S. Williams, Oct. 2: We have reached the north wall of the lode in the 100 fm. level cross-cut, and in a few days I shall be able to write you its appearances. The lode in the 30, cast end, is without change to notice. The lode in the winze sinking below the 74 is from 31 of 4feet wide, producing 12 tons of ore per fathom. The lode in the deep adit end is divided with a horse of granite, producing stones of ore, but not sufficient to value. The lode in the deep adit end is divided with a horse of granite, producing stones of ore.

WHEAL MARY EMMA — W. Duble, Oct. 13, Langia engine, about 16 in the with the contraction of the lower of the contraction of t

stones of ore.

WHEAL MARY EMMA.—W. Doble, Oct. 13: Lane's engine-shaft is making good below the adit level: we shall soon be throwing open the lode in going down, as the shaft will be sunk on the course of the lode. The men are getting on with making the new drain to take off the water from the adit, the old one being choked, and with the heavy rains it will not carry the influx of water.

WHEAL TERHIDY.—J. tope, Oct. 8: The following is our setting this day:—In the 60 eross-cut south nothing cut since last reported; ground rather hard; set 1 fm., at 12!., to six men. In the 60 east, on caunter lode, the lode is 8 in. wide, spotted with ore—a kindly lode; set to six men, at 6! per fathom, 3 fathoms. In the 50, east of boundary, the lode is 16 in. wide, composed of spar, peach, and spotted with ore—nothing to value; set to four men, at 4! 10s, per fathom, 3 fathoms. No setting in the tribute department this month, as it is usually set for two months.

WHEAL TERRARYAH—R. GRUNGY, F. Hosking, Oct. 23: The 70, set of fire, and

WHEAL TEEBARVAH.—R. Gundry, F. Hosking, Oct. 12: The 70, east of flat-rod shaft, is as last reported, worth 12t. per fathom. The 70, west of flat-rod shaft, is not looking so well, but still yielding ore, about I ton per fathom. We have set a pitch on tribute in the back of this level at 5s. in 1t. In Jenkin's winze, sinking below the 60, east of flat-rod shaft, the lode is disordered a little by a horse of killas, but still producing ore. The 40, west of flat-rod shaft, same as last reported. There is no alteration in any other part of the mine.

other part of the mine.

WHEAL TRELAWNY.—W. Bryant, W. Jenkin, T. Grenfell, Oct. 14: The cossecuti in the 182, at Smith's shart, is extended cast 4 ft. towards the lode. The lode in the 142, north of the shart, is 3 ft. wide, worth 201, per fm.; the lode in the south cad in this level is unproductive, being still under the influence of the slide. The lode in the 132 north is 2 ft. wide, worth 81, per fm. We have commenced to sink a winne in the bottom of this level, south of Smith's shaft, its 16, wide, worth 54, per fm. In the 132, south of Chippindale's, it is 2 ft. wide, worth 54, per fm. In the 132, south of Chippindale's, it is 2 ft. wide, worth 54, per fm. In the 132 north it is 2 ft. wide and worth 75, per fm.; in the winze sinking in the bottom of this level it is 2 ft. wide and worth 75, per fm.; in the winze sinking in the bottom of this level it is 2 ft. wide and worth 75, per fm.; in the winze sinking in the bottom of this level it is 2 ft. wide and worth 75, per fm.; in the winze sinking in the bottom of this level it is 2 ft. wide south 142, south of the shaft, is 2 ft. wide, worth 85, per fm. The same level south we are driving by the side of the lode. In the 130 south the lode is 3 ft. wide, worth 191, per fm. In the 107 north it is 2 ft. wide, worth 87, per fm. The stopes and pitches are producing much as usual.

The QUARTERLY RETURNS of BLACK TIN and LEAD ORE are deferred.

The QUARTERLY RETURNS of BLACK TIN and LEAD ORE are deferred until next week. We shall be glad of information, that they may appear correctly.

SMELTING AND REFINING TIN AND TIN ORES.-Mr. J. P. Budd, Ystaly SMELTING AND REFISING TIN AND TIN ORES.—Mr. J. P. Budd, Ystaly fera Iron-works, Swanses, has patented some improvements in the smelting or refining of tin, tin ores, and tin acruff, which consist in smelting and refining them in close vessels, from which the atmospheric air is excluded, and into which carbon is introduce in the necessary quantities, and the vessels are hearted externally by fires. The pure til first separates from the matters with which it may be mixed, and afterwards a highe temperature may be applied, sufficient to smelt the earthy matters and more refractor, metals mixed with the tin, tin ores, and tin scraff. This invention is also applicable to separate the tin from tin plates and tin plate shearings which may be unserviceable. The furnaces to be employed nearly resemble those used for the reduction of blende oblack jack ore into metallic zinc or spelter. The pots or cruchbles may be of clay or o cast-iron, according to the intensity of hear required to be given, and may be in shap either of the English or Silesian form. Instead of mixing carbonaceous matters with the tin, tin ores, and tin scruff in the closed vessel, the oxides may be first reduced by preparatory process in a suitable for the purpose may be introduced with such ores in the pots, which in that case should be made of the best Stourbridge clay.

PERMANENT WAY—Mr. Clark, Atlas Works. As a patented, for Mr.

PERMANENT WAY.—Mr. Clark, Atlas Works, has patented, for Mr. Beers, engineer, New York, a novel construction of railway. He uses a cast or other iron foundation rail formed of a series of arches supported on stone. These break joint with Q rails, and a continuous track is thus formed, the Q rail being botted to the foundation rail, and the gauge maintained in the usual way. A strip of gutta-percha, or other clarife material, is inserted to prevent metal and metal coming together.

COPPER TUBES.—Mr. S. Walker, Birmingham, proposes to take a skelp, and having turned up one end, place therein a mandril. He passes the turned up skelp together with the end of the mandril, through an ordinary lapping hole. This lapping hole is fixed in front of a pair of rolls, having grooves of the size of the tube to be made. The rolls give the skelp a tubular form, and the tube is afterwards soldered with a solder composed of equal parts of copper and sinc, with a little lead and bismuth.

HYDRAULIC MACHINES.-Mr. A. Pelez, Mortimer-street, has patented machine for raising and drawing water, which can be adapted to a well 72 feet deep, may be put in motion by a one or two horse power steam-engine, and will raise at aste 88 gallons of water per minute. In lieu of a steam-engine, horses or manuel power any be used to put the machine in motion, by means of a handle working a fly-wheel.

STEAM-BOILER TUBES.—Mr. E. Burke, of Upper Thames-street, lines tubes at the end which come to the fire-box with a few inches of brass tubing, by which welded iron tubes are rendered more suitable for the flues of such boilers.

East India Coal Company.—Gopeenauthpore: During the past fortnight 6342 maunds of coal have been raised. We have had ten working days only—two Sundays and two native popula intervening. The No. 2 shaft, sunk by Mr. Wilson, has attained the depth of 169 ft., without any signs of coming upon coal. I have thought it advisable to stop the sinking, and hore down to ascertain the depth at which coal can be got. The gin-house, (in, and pit-head trucks of the No. 3 shaft are completed, and we are raising coal from it. A good road, 16 ft. wide, has been made from this colliery to the Government trunk road. Other roads to connect it with the Koncostoria and Bassareh property are in course of construction.—Toposi: The engine has been at work daily—since my last report, and a great quantity of water is being pumped out. The gallery going west towards the old mine has been driven 16 ft. since last report; in about a fortnight the communication with the old mine will be completed. A large godown, or storehouse, is in course of construction at this place. 1900 maunds of coal have been raised here.—Koncostoria: Since my last I have sunk to the coal at this place, and four galleries have been driven, each 5 ft. long. By next report I shall have the pleasure of announcing the dispatch of coal from this colliery to the wharf. We have about 25 families of coal cutters at this place.—Bassarah: The shaft here is now down to the depth of 52 ft.—9 ft. since last report; it shall be able to say that we have come upon coal. The coal here is of very good quality, and found at a depth of 64 ft. from surface. Huts for coolies and workshops are gradually being erected.—Kosta: The low dense jungle has been much cleared. I have taken out the water from the old quarry here, and have commenced removing the earth on top of the coal; in a few days the quarry ing will commence. A bungalow is being completed here, as also huts for coal cutters and other workpeople.—Russah: No work in progress here.—Dunksul: The pump has been nearly completed at thi EAST INDIA COAL COMPANY .- Gopcenauthpore: During the past fort

From Leeds, our correspondents (Messrs. Gledhill and Co) state that a mining market is improving. Craven Moor Mine is looking well, but the shares From Leeds, our correspondents (Mesars, Gleichill and Co) state that the mining market is improving. Craven More Mine is looking well, but the shares have been depressed, in consequence of a large holder having thrown his shares upon the market, and though it has lowered the price it has not tessened the legitimate value of the mine. Much excitement has been caused in this neighbourhood by the stoppage of a great number of the collieries in the Leeds district, which has thrown about 3000 men and boys out of employ. A large meeting of the men was held on Woodhouse Moor or Monday, and another yesterday, near Bothwell Haigh: there were from 2000 to 3000 persons present. There seems to be a determination on the part of the men to resist the reduction of 15 per cent. proposed by the masters. The men have offered to settle their differences by arbitration. We hope a speedy and amicable arrangement will be come to between the parties.

Our Sheffield correspondents (Messrs. Smith) report rather more enquiry after some of the Derbyshire mines. Peak Forests have changed hands several times at 22s. 64. 24s., and 25s. prem., and are steady; North Derbyshire have been done at 1½ per share; Mill Dams have bayers at 6s. 3d. dis.; and Mill Towns at 2½. Eyams continue flat, and are freely offered at 40.

NOTICE.-Mr. EDWARD ROBERT HEARN being no longer connected with the Mrsing Journal, it is requested that all of tion may be forwarded direct to the Editor.

which contains—Royal Cornwall Geological Society—Papers read:—Onthe Iron Mines of Perram.—Notice of Copper Mining in Chili—On the Constitution and Structure of Slate—On the Clast Beds in Cornwall and Fragments Found on the Castle Down of Tresco, one of the Islands of Scilly—On the Strike of the Slate Beds in Cornwall and Fragments Found on the Castle Down of Tresco, one of the Islands of Scilly—On the Strike of the Slate Beds in Cornwall and Devon—Notice of an issue of Inflammable Gas in the Morro Velho Gold Mine, Brazil—Observations on the Gold Fields of the Pacific, and their Probable Extent—and Notice of the Copper Mines at Alernove the result. At present I am inclined to think that the ewestern ground; if it proves so, it will be a good change for the western ground; if it proves so, it will be a good ching for the sore the result. At present I am inclined to think that the ewestern ground; if it proves so, it will be a good ching for the more of the orey part of the lote taken down in the wines this green we have cut into it occasionally it is looking very well, west is looking better, driving by the side of the lote.—South manned sinking the engine-shaft below the 71, over the lote, is worth fully 1½ to not ore per fin. In the same level east the

FOURTEEN LIVES LOST IN THE PRIMROSE COLLIERIES NEAR NEATH.

great sensation was created in Neath, on Wednesday last, by a report that a number of men had lost their lives in the Primrose Collieries, which are situated about three miles and a half north of Neath. This report was true; fourteen men and boys were killed, and eight more are seriously injured. These collieries belong to Messrs. Morgan and Lewis, are free from fire-damp, and are said to be well ventilated. It appears there are two distinct workings, or mines, which are connected by a heading or drift. A steam-engine has been recently erected in the north pit, and a fire has been kept up under the boiler for the last few days, in order to dry the masonry. The smoke and products of combustion, it appears, have to pass along the connecting drift between the two collieries, and so into the return air-way, a door having been fixed at the end of the drift next the south heading, where it is intended to build a brick and mortar stopping. On Wednesday morning about 60 men went to their work in the south colliery, when the ventilation was as good as usual. At about 8 o'clock an irruption of noxious gases filled the south heading, and almost instantly killed the men and boys exposed to it. It first affected them with pain and quivering of the limbs, they then lost the use of their legs and fell; some few who fell have recovered, but to most of them it was fatal. It was a singular circumstance that the lights were not extinguished, some of the candles having been found burning several hours afterwards. The bodies of the unfortunate sufferers were all brought up the pit on Wednesday afternoon. It is supposed that the door in the south heading, and at the end of the drift which communicates directly are situated about three miles and a half north of Neath. This repor afterwards. The bodies of the unfortunate sufferers were all brought up the pit on Wednesday afternoon. It is supposed that the door in the south heading, and at the end of the drift which communicates directly with the underground engine in the north colliery, had been opened and not again closed. Indeed it is said to have been found partially open after the accident had occurred. This will account for the accident, as in that case the carbonic acid gas and the products of combustion from the engine fires would instantly flood the south heading. In addition to the human life thus lamentably lost, eight horses have been killed. Much heroism was displayed by the colliers in endeavouring to rescue their fellow-workmen, and it is said two men perished in this noble attempt. Every possible alleviation has been rendered by the highly esteemed owners to the families of those who have lost their lives and to the sufferers who survive. On Thursday the colliery was restored to its usual state, and was examined by Mr. Evans, Her Majesty's Inspector, its usual state, and was examined by Mr. Evans, Her Majesty's Inspector, for the first time since his appointment. It was inspected by the late Mr. Herbert Mackworth four years since.

PROSPECTS OF THE IRON TRADE.

The iron trade, which may be said to be now convalescent, promises to attain, within a few years at most, a magnitude and prosperity far beyond its development at any former period. While Wolverhampton congratu-

Eastern, large enough to carry their coals for the round voyage, might perhaps soon drive the sailing ships off the course.

Future steam-ships will be built of iron or steel; experience has most fully deter-mined that point. Numberless iron steam colliers will find their places in our coasting trade. Making 40 voyages a year, taking in and clearing with cargoes of 700 tons in one tide, they will drive off the venerable craft, some quite 80 years old, which now manage that the control of the venerable craft, some quite 80 years old, which now manage to get in ten or twelve times a year from Newo Thames from sheer decay. With coals in three may decline some of the business which even times a year from Newcastle, sometimes to go to pi y. With coals in three days by sea, at 5s. a ton, the he business which even at 12s. a ton (½d. a mile oubtful profit — more likely a positive loss, with certs

to get in ten or tweive times a year from Newcastie, sometimes to go to pieces in the Thames from sheer decay. With coals in three days by sas, at 5s. a ton, the railways may decline aome of the business which even at 12s. a ton (\(\frac{1}{2} \) d. a mile for nearly 300 miles), is of very doubtful profit—more likely a positive loss, with certainly little gain to the consumer.

Iron is regarded with increasing faveur, by railway engineers, as a material for the permanent way throughout. Were either of the most successful forms of iron sleepers to be adopted throughout our railways, \$1,000,900 tons of iron would be required.

Iron architecture is making rapid strikes in other parts of the world, whatever may be the favour or disfavour to which it is destined here. In a country paying so dearly for its iron as the United States, that material is coming into decided praference for the best class of building. There are, probably, already 200 very extensive and highly embelsished cast-iron fronts in New York, where their adoption has apparently only commenced. The remote western cities are taking up the improvement with remarkable spirit, and iron buildings of colossal proportions and palatial splendour are rising in Chicago, Cinednant, and in many of the smaller towns. The demand thus opened up for iron promises to become enormous is its amount. The rapid multiplication of gas and water-works in the United States turnishes also a growing market for our iron. The Brooklyn Water-Works, building by the National Government, are to be laid with Scotch cast pipes, notwithstanding the outery made by the American Iron founders.

In works of construction, the mechanical engineer is trenching more and more closely upon the province of the civil engineer, and upon that of the architect. And the mechanical engineer almost instinctively preferritor to the materials more commonly employed by his perhaps more professional, but certainly less practical brethren.

Agricultural engineering will, doubtics, open up a demand for iron

reacased demand for iron. This increase of armament will go on in a time of peace, uring which we shall not loss foreign markets, owing to the disturbance of all, and the seasition of some branches of their industry by war. Although war of itself requires arge supply of iron for its presception, this amount is, doubtless, for itse than what rould be required in the same time by the arts of peace, which war so freety crubes, The future of the British iron interest is highly shootraging.—The Engineer.

The Mining Market; Prices of Metals, Ores, &c

ditto tubes " 0 1 1½-1 1½ Sheathing & bolts " 0 0 11- — Bottoms 0 11½-0 1 0	DEASS Per lb 10d11d. Wire 9\(\frac{1}{2}d12\(\frac{1}{2}d.\) Per Ton. Per Ton.
Old (Exchange)	Swedish, in kegs (rolled) none, (hammered). 20 10 0- Ditto, in faggots 21 0 0- English, Spring 18 0 0-23 0 0
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Sheets, single 9 10 0-10 10 0 Pig, No. 1, in Wales 3 15 0-4 15 0	TIN. English, blocks118 0 0- — Ditto, Bars (in barrels)119 0 0- —
Bars, common, ditto 6 5 0-6 10 0 Ditto, railway, ditto 6 7 6-6 10 0	Ditto, Refined
Ditto, Swed. in London. 12 15 0-15 0 0 In tto k to arrive — ———————————————————————————————	IC Charcoal, 1st qua. p. bx. 1 12 0- 1 15
Ditto, in Tyne & Tees. 2 19 6-3 2 6 Ditto, forge. 2 17 6-	IX Ditto 1st quality ,, 1 18 0-2 1 IC Ditto 2d quality ,, 1 10 0-1 11 IX Ditto 2d quality ,, 1 16 0-1 17
Welsh Forge Pig 3 0 0-3 5 0	IC Coke
English Pig 21 10 0-22 10 0 Ditto sheet 22 10 0-:-	Canada platesp. ton 15 0 0-15 5 In London; 20s. less at the works.
Ditto red lead 23 10 0- — Ditto white 27 0 0-30 0 0 Ditto patent shot 25 10 0- —	Yellow Metal Sheathingp. lb. 94d Wetterstedt's Pat. Metp. cwt. 2 2
Spanish 20 0 0-20 10 0 American none.	Indian Charcoal Pigs 7 10
• At the works, 1s. t	o 1s. 6d. per box leas.

REMARKS.-The demand for metals has continued tolerably good, and rices have for the most part been well maintained.

prices have for the most part been well maintained.

Copper.—The enquiries for shipment are still of a limited character, both with regard to cake and manufactured; but there is a slight improvement in the home trade; the market altogether is quiet, yet steady, and no change in prices, either higher or lower, appears at present probable. Iron.—In rails there is a fair prospect of higher rates being realised; the amount of work already in hand is deemed almost sufficient to carry ironmasters through the winter, and large orders are anticipated in the ensuing spring; the price has, consequently, somewhat stiffened, and very little could be bought at less than 6l. 7s. 6d. to 6l. 10s. per ton at the works. Merchant bars have also participated to a slight extent in the improved state of the market, and 8l. 15s. per ton, lo.b. here, is the lowest price quoted. Staffordshire iron has undergone no alteration. Swedish iron without change. Scotch pigs have been quoted from 54s to 54s. 6d., the price regulated by the increase or decreasing demand, and finally closing at 54s. 3d. to 54s. 6d., mixed number, g.m.b., fo.b. in Glasgow.

Lead.—Nothing important has taken place to disturb the evenness of

ing at 54s. 3d. to 54s. 6d., mixed number, g.m.b., Lo.b. in Glasgow.

Lead.—Nothing important has taken place to disturb the evenness of our market; our quotations are the same as last.

Spelter.—An unsettled feeling has given vent to a few holders selling several parcels freely at reduced prices, business being transacted at 23l. 10s. and gradually receding to 22l. 17s. 6d.; since which 50 tons have changed hands at 23l.; the market closing steadily at the latter figure.

Tin.—English is in good request at former rates. Foreign saleable, but holders hold off, in anticipation of a further improvement. Straits has been sold at 116l., with three months prompt. Bauca, 117l., cash.

Tin-Plates.—In fair demand, prices upheld.

Spelt.—For shipment, a few parcels of Swedish keg have been bought under our quotation; but as stocks are now low for the remaining portion, being only a small lot, the sellers require 20l. 10s.

Glasgow, Oct. 14.—Since our last report the market for pig-iron rallied to 54s. 6d., at which a considerable business was done, and the price has experienced only trifling fluctuations for the last few days. No new feature has presented itself, and it is apparently only speculation, coupled 6h; an easy money market, which maintains prices. No. 1, Gartsherrie, 60s.; No. 1, g.m.b., 53s. 3d.; No. 3, g.m.b., 52s. 9d. Shipments: Foreign, 4183 tons; coastwise, 4261 tons = 8444 tons, against 9707 tons last year.

LIVERFOOL, Oct. 14.—The demand for manufactured iron has been, during the past week, to a fair extent, considering the general depression which has for so long a period characterised our metal market, and for Welsh bars the slightly advanced rates are obtained without difficulty. Rails are still in request, at current quotations. For Staffordshire iron there has been less enquiry during the week; prices are, nevertheless, without change. The price of Scotch pig-iron has scarcely varied, and the business done has been but limited. The shipments for the week are 8444 tons, against 9707 tons for the corresponding week of last year. There is no alteration in the tone of the market as regards tin, tin-plates, copper, and lead. For each of these several articles a moderate demand exists, at unaltered rates. The following are the quotations:—Iron: Merchant bar, 6l. 10s. to 6l. 15s. per ton.—Tin: Common block, 118l. per ton; common bar, 119l.; refined block, 121l.—Tin-plates: Charcoal, IC, 30s. to 31s. per box; coke, IC, 24s. to 25s.—Lead: English sheet, 23l. 10s. per ton: English pig, 21l. 5s.—Copper: Cake and tile, 98l. per ton; best selected, 101l. per ton; sheathing and bolt, 1s. per lb.—Yellow metal sheathing, 94d. per lb.—Steel: Blistered, 30l. to 40l. per ton; spring, 18l. to 24l.; cast and shear, 50l. to 60l. per ton. LIVERPOOL, Oct. 14.—The demand for manufactured iron has been

New York, Oct. 2.—Bar-iron is in moderate request, the present quotations being—for refined, \$54 to \$54.50, and \$44 to \$47 for common. Sales of 20 tons of hoop have been effected at \$70, six months, and 40 tons of rods at \$60, six months. Scotch pig is without change, and in moderate demand; we note sales of 250 tons at \$22, cash. Copper is without any movement of importance, prices having a downward tendency, the last quotation being 234 c., cash, for Lake, and 23 c. for Baltimore. For block in there has been a moderate enquiry, but the market closed heavy and drooping; we have only heard of sales of 300 slabs of Banca, at 27% c. to 28 c., six months. Straits are quiet, holders generally asking 28 c., six months. There is a good jobbing trade for tin-plates, which are selling freely at \$9.62\frac{1}{2}\$ to 9.75, six months. Spelter has been more in demand, but we have only to note sales of 25 tons of Stolberg at 6 c., and 75 tons Silesian at the same price.

The MINING SHARE MARKET has been more active since our last; and in addition to a fair amount of business in dividend mines, a demand has bid fair for good and early results. We find that of dividend stocks, 54 mines during the past quarter have paid in the aggregate 85,6881.; and, owing to the depreciation in prices during the last few months, many of the shares can be purchased to pay, and that, too, with little risk,—though this the general public are slow in believing,—from 10 to 20 per cent. per annum. We refer, of course, to the best mines, well managed, and with good reserves of ores; and are glad also to perceive that for shares of this description more enquiries are being made through the medium of the Stock Exchange, and, therefore, for parties just embarking in them. Bassets are in moderate request at 200 to 205; South Frances, 190 to 195; South Caradons are receding, and offered at 395 to 400. West Caradon, Dotto 100 to 110 and for the state of sets are in moderate request at 200 to 205; South Frances, 190 to 195; South Caradons are receding, and offered at 395 to 400. West Caradon, 100 to 110, and firm; we understand a new manager from the Redruth district has been appointed. Alfred Consols, 9 to 9½; Great Wheal Alfred, 3½ to 3½; Vale of Towy, 14s, to 15s. East Russells have been pretty much enquired for, the price advancing from 5 to 5½, 6, and leave off 5½ to 5½. An important point is about being reached, and a considerable rise in shares may be looked for if it turns out as expected. Our readers will remember that a good deal of excitement existed a few months ago, when a winze sinking from the 66 fm. level went through a course of ore for 10 fms. deep, worth on an average 80L per fm. This winze was soon afterwards stopped by the influx of water; and as it was stated that it would take two or three months to drive the 88 up to the ore ground, shares became flat. This 88 is now said to be within 3 or 4 ft, of the ore 1858.

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dres, &c. r. 15, 1858.

Per lb. 14d.-2d.-121/4.

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Price.

grownd, and within the last few days a great change has taken place in the lode, which is now 3 ft wide, with black ore in 8, 4th latting out a great deal of water. Another point of therest is, that the 66 is getting, under the ore ground discovered in the 45 a few years ago, and which caused the shares to reach 250. North Robert, 3 to 35; mine also isolating well and improving, and shares in good request and firmly held. Whilst his district is coming more prominently before the public, and likely to iremain so, we may add that one of the very beat setts in it, Wheal Crebor, searcely known, and standing at a nominal price of It few share, 44, 10s. yald-up. For some months past the mine has been progressing in a very estisfactory but quiet manner, under the superintendence of Mr. Juhi Hitchins; and from the nature of the latest reports, we call special attention to the mine. The ends on the Georgina lode, 12 fms. below the Tunnel level, are 2½ and 3 ft. witch, with quarta, prian, black and yellow copper owe, of the most promising description, and a pitch has been set in the back. In the old lode, from which 10,000l worth of copper has been reased and sold, the ore dipped away east, and Cock's shaft is to be suith in the castern part of the set to reach it. In the meantime, should the coalest has the complex of the complex of the control of the set to reach it. In the meantime, should the coalest has the complex of the complex of the complex of the coalest has the coalest had been complex of the coalest had been coalest had been

The Holmbush Mining Company held their usual quarterly meeting on Wednesday, which will be found reported in another column. Although the state of affairs is not so satisfactory as could be wished, it showed a progressive improvement, the quantity of lead ore raised and sold the last two months being equal to the previous four months, and realising 174, 13s. 6d. per ton. The copper had also considerably increased, as they had 160 tons for sale, yielding, according to assay, 10 per cent.; these results had a corresponding effect on the cost, the loss on the two months' working being 2004. against 4004, for the previous two months, and after the enormous outlay by the proprietors it is hoped they have nearly arrived at the turning-point, and will get some return. Mr. Verran explained that the principal point where success was expected was in the 160 west, after getting through a number of small cross-courses which had disordered the lode, and considerable importance was attached to the fact of the directors having recently obtained a large additional grant from the Duchy further west, as the workings were nearly up to the old boundary. One shareholder was in favour of winding-up the company, and disposing of the mine and machinery by private contract, dividing the amount provata; but the Chairman replied that a large majority would be against such a resolution: however, a fact was elicited, which gave great satisfaction, not generally known from the peculiar constitution of this company—it was that any shareholder could relinquish his shares, as in a cost-book mine, have the property valued, and claim his proportion to the present time. It was stated that the announcement was calculated to improve the shares on the market, which had recently been very low.

At Redruth Ticketing, on Thursday, 4633 tons of ore were sold, rea lising 26,1811. 13s. The particulars of the sale were-Average standard,

the decline has been in the standard 16s., and in the price per ton about 11d. At Swansea Ticketing, on Tuesday, 1926 tons of ore were sold, realising 25,4341. 18s. Cobre sold 997 tons, for 16,7341. 18s. 6d.; Springbok, 265 tons, 73431. 12s. 6d.; Parys, 115 tons, 411l. 2s. 6d.; Chaparrita, 115 tons, 424l. 17s.; Ramsley, 57 tons, 143l. 1s.; Spanish, 54 tons, 270l.; Bampfylde, 15 tons, 69l. 10s. 6d.; and Westcott, 8 tons, 37f. 16s.—The sale on Nov. 2 will comprise ore from Berchaven, Santiago, Knockmahon, Chaparrita, Parys, Namaqua, Algiers, Holyford, Dyliffe, Dulas and Fadian, North Rhine of South Australia, Glasgow, and 25 tons precipitate.

In the Coal Market, in consequence of the prevalence of westerly winds, there has been a large arrival of ships at market, but the price has not been materially affected by the increased supply. Of the 123 ships at market, on Monday, only eight were left unsold, the prices being—for best Wall's End, 18s. 6d. to 18s. 9d.; second quality, dutto, 16s. 3d. to 17s. 9d.; manufacturers', 13s. to 14s. 6d.; Hartley's, 14s. 3d. to 15s. 9d.; On Wednesday there were only 44 ships at market, the whole of which were sold at previous quotations. Yesterday there was a further dropping off in the supply, only 39 ships being at market, 36 of which were sold; as there were no best coals at market an advance of 6d. took place in seconds, the other qualities remaining without alteration. qualities remaining without alteration.

CONTRACTS.—The Consulate of France requires tenders for 15,000 to 17,500 tons of coal, to be delivered at Algiers, Martinique, Guadaloupe, &c.—Oct. 25.

In Saltfratus, there was but a moderate amount of business doing during the earlier part of the week; while in the latter there has been a pause in buying, in consequence of some arrivals having taken place on Wedneadty last. Sales of 930 bags of Bengal have taken place, at 48s. for 3½ per cent. refraction, 46s. for 6½ per cent. refraction, while 190 bags Bombay, refracting 14½ per cent. have sold for 39s. 50 tons aftoat of July sailing were sold at 42s., while 120 tons of August asiling sold at 41s. 9d. to 42s. 6d. During the week none has been landed, while 182 tons have been delivered, leaving the stock 2539 tons, against 6411 tons at the same time last year.

At Dolcostii Mine meeting, on Monday, the accounts showed—Balance last sadit, 5071. 9s, 1d.; thi o'te sold, 71821. 13s. 3d.; copper ore sold, 5761. 19s. 11d.; carriage, 2l. 7s. 11d. = \$3692. 9s. 8d. —Mine soct, July and August, 42491. 15s. 9d.; nex-chantle bills, 1682l. 13s. 6d.; income last, 36l. 6s. 3d.; dues and poor rate, 8671. 19s. 1d.; leaving balance in favour of mine, 2031. 0s. 7d. A dividend of 1452l. (8l. per 179th share) was declared, and 692l. 6s. 7d. cerived to creat account. The committee recommended that the shares be subdivided life 559ths at the next meeting.

carrisge, 24. 7s. 11d. =83694. sp. 8d. -Milli cost., 30ly and August, 2505. to 1. leaving balance in favour of mine, 26310. 0s. 7d. Advidend of 14521. (8t. per 179th share) was declared, and 6021. 0s. 7d. certred to credit of next account. The committee recommended that the shares be subdivided into 559ths at the next meeting.

At West Wheal Seton meeting, on Tuesday, fite accounts showed —Mine costs, July and Aug., 19561. 13s. 8d.; merchanti bilis, 5081. 13s. 2d.; materials purchessed, 35001; chess, 2631. 1st. 1d. 252371. 7s.—Ores sold, 57551. 7s. 3d.; materials purchessed, 35001; chess, 2631. 1st. 1d. 252371. 7s.—Ores sold, 57551. 7s. 3d.; and balance last andit, 1401. 13s. 2d.; showing frofil in the two months, 24841. 1bs. 2d.; add balance last andit, 1401. 3s. 2d.; showing frofil in the two months, 24841. 1bs. 2d.; add balance last andit, 1401. 1st. 2d.; and a total is shown of the tree account. The ore money to come to the credit of next account will be 64001., the whole of the ores of the last sale not being weighed off. The tribute pitches are much the same as at 7sst account. They are getting on very favourably with the sinking and preparing of Hafvey's shaft, and the masons are progressing very well with the builting of the engine-brosse.

At Wheal Seton meeting, on Monday, the accounts showed.—Balance last andit, 10091. 12s. 4d.; ore and tin (less dues), 18371. 1s. 2d. =28471. 5s. 6d.—Mine cost, July and Aug., 13655. 4s. 7d.; merchanse's bilis, 3701. 1fs. 1d.: teaving balance is favour of mine, 1111. 4s. 10d. It was suggested thas a dividend be declared, but, after favour of mine, 1111. 4s. 10d. It was suggested than a dividend be declared, but, after favour of mine, 1111. 4s. 10d. It was suggested than a dividend be declared, but, after favour of mine, 1111. 4s. 10d. It was suggested than a dividend be declared, but, after favour of mine, 1111. 4s. 10d. It was suggested than a dividend be declared, but after favour of mine, 1111. 4s. 10d. It was suggested than a dividend be declared, but a course, an

per share was made. Resolutions were passed to agnoint a special meeting to forfeit shares in arrear of cail, and also to rescind the rule charging a transfer fee of 2s. 6d. The proceedings are detailed in another column.

At Nether Hearth Mining Company meeting, on Oct. 8 (Mr. C. Dodsworth in the chair), the accounts showed—Balance last audit, 752l. 5s.; balance of April cost, 46l. 19s. 5d.; May, 139l. 5s. 7d.; on account of June cost, 46l. 19s. 8d.; duty for 1857, 167l. s. 10d.; secretary's shary, sundries, &c., 79l. 18s. 7d., 1223l. 6s. 1d.—Ore soid, 297l. 5s. 10s.; calls received, 513l. 13s. 4d.; cash received for horses, 15l.; leaving balance, against adventurers, 25d. 6s. 1d. A. call of 3s, per share was made. A resolution was passed confirming the forfeiture of 297s shares. Capt. W. Vipond reported that the drift continued hard, except a small portion of the top part, which was easy and orey, it was worth, perhaps, 6 cwts. of ore per in.

At Wheal Trungle meeting, on October 5, the accounts showed—Balance last audit, 35tl. 3s. 4d.; labour cost, for June, 85l. 18s. 2d.; July, 91l. 13s. 7d.; Aug., 92l. 0s. 4d.; merchants bills, 97l. 16s. 4d. =72ll. 13s. 9d.—Calls received, 640l.; leaving balance against ulme, 81l. 18s. 9d., A call of 2l. per share was made. Captain Trelease reported on the prospects of the mine, and it was proposed that the future scale of working be as follows:—Two men in each of the 18 fm. level ends, instead of four; that both ends on the south part of the lothe be asseptated at present; and that six men be employed to sink the shaft under the 18 fathom level; and two men to sink a winze under the shallow level. The workings on the south lote to be continued as heretofore. At the Holmbush Mining Company meeting, on Wednesday (Mr. R., Hallett in the chair), the accounts showed a balance against the mine of 822l. 0s. 6d. The loss had been reduced to 200l. for the two months, against 400l. the previous two. At Treweatha Mining Company meeting, on Presday (Mr. Balster in the chair), the acc

call of 33, per share was made. The proceedings are detailed in another column.

The Trevalga Slate Company meeting, convened for Wednesday, was adjourned, in consequence of only one shareholder being in attendance. Mr. Jehu Hitchins, the secretary, has recently inspected the quarry, which he considers very valuable, only requiring to be worked with energy to produce satisfactory results.

The Grand Duchy of Baden Mining Company have received at the offices in London some fine spectmens of aliver-tead ore, which were broken from the tode in the presence of Mr. Bell, one of the directors, and Mr. Dunsford, the manager, upon their recent visit and underground inspection of the mine. They were sent to this country without selecting any particular stones, but some offthem contain upwards of 190 ozs. of silver to the ton. They are well worthy of inspection by those interested.

The liquidators of the Adelaide Land and Gold Company are in receipt of despatches from Adelaide, dated Aug. 9, advising remittance of 500% further on account of sales of the company's land.

The Foreign Mine Share Market has fully participated in the general

of despatches from Adelaide, dated Aug. 9, advising remittance of 500. Further on account of sales of the company's land.

The Foreign Mine Share Market has fully participated in the general improvement in mining scentifies. The shares of the North Rhine Copper Mining Company of South Australia have been deat in to an increased extent during the past week, and the price has advanced to 5-16ths premium, at which they closed yeaterlay. Application has been made to the Committee of the Stock Exchange to appoint a special settlingday for this company, and the shares, it is announced, will be ready for delivery on and after Thursday next. The company will sell a sample parcel (3 tons) of the ore now in hand, at Swansea, on Tuesday, for the purpose of ascertaining the actual market value of their produce. The English and Australian Copper Company advices state that there are six furnaces now lighted and in good order, and that the ore shipments next season will be about 5000 tons. The Port Phillip and Colonial report the quantity of ore crushed during July to have been 1536 tons; the amount received for crushing the same, 40864.; expenditure, 25334.; showing a clear profit of 15530. The resident director has taken advantage of the diminished supply of quartz to have the 20-head stamps and engine thoroughly repaired; and the fact of 3500). having been received on dividend account, with every probability of its continuance, leads to the supposition that this company is gradually and surely retrieving its position, and that it will eventually fake its stand as a dividend-paying company. The Linares Company's report states that the works are being prosecuted with vigour, and that the yield continues to be much the same as when last reported; the tribute pitches present no material alteration in their appearance; the return of ore for the month is estimated at 230 tons. The Copiapo Mining Company's yield of ore has been 5400 quintals, valued at 7525 reals; the average yield being 2 tons of 16 per cent, to 23 per cent, ore

	LEAD	OR	ES.		
80	dd on the	8th C	october		
Mines.	Tons.	P	rice per	ton.	Purchasers.
Great Wheal Baddern	. 15	4	19 9	. 6	R. Michell & Son
	ld on the				at Michell & Soll.
Dyliffe					Walker, Parker, & Co.
Ticketing					
Maesyrerwddu (Talargoch)	. 481/2		18 11	6	Walker, Parker, & Co.
ditto	. 2		14 15	6	Adam Eyton.
Coetia Llys	. \$1356		14 0		Walker, Parker, & Co.
Talacre			13 18		
Deep Level					Newton, Kentes, & Co
ditto			14 5		Alfred Courage & Co.
Holywell Level					Adam Eyton.
Mount Pleasant					Walker, Parker, & Co.
ditto				0	
Brynford Hall			13 5		Eyton, Walker.
ditto			13 15		Newton, Kentes, & Co
East Pant Du			12 12		Walker, Parker, & Co.
Rhosesmor			13 18	0	Adam Eyton.
Speedwell					Walker, Parker, & Co.
Tassan				0	
ditto			5 11		Newton, Keates, & Co
Skimmings	. 2		8 2	6	Walker, Parker, & Co.
Management Shall be filled by the	BLACE	KT	IN.	-	\$10 to \$27

					B	LACI	K	TIN.					
				Sold	1 0	the St	oth 5	septemb	er.				
Mines.	Ton	s c.	0.							oun	t. Pu	rchasers.	
Pedn-an-drea	4	4	9	11 .		£69	17	6 4	295	11	8-B	issoe Com	pany
ditto	. 9	6	2	24 .		64	10	0	603	3	0-	ditto	
ditto	1	17	1	15		. 58	0	0	108	8	8-	ditto	
				Bi	old	on the	9th	October.					
Kitty (St. Agnes).	16	- 8	1	25 .						12	3-		
								October					
Drake Walls	.9	0	0	0 .		68 1	2 4	£	617	12	6-D	subuz & C	o.
ditto	11	.0	0.	0 .		61 1	0 6	67	6 10	0-	-Bisso	e Compan	y.

	3 ORES.
Sampled September 22, and	AOL' 1 at Swanses October 12.
Mines Tems Produce Prices Cobre 106 11% 29 17 6 114 1 29 17 6 114 1 29 17 6 114 1 29 17 6 114 1 29 17 6 114 1 29 17 6 114 1 29 18 1 0 114 1 29 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mia.* Tons. Produce. Price. Cobre ≈ 10 69\(\perp \) 4.258 15 0 ditto ≈ 9 15\(\perp \) 4.258 15 0 ditto ≈ 9 25\(\perp \) 4.28 13 6 Springbok 49 25\(\perp \) 4.28 1 0 ditto 42 21\(\perp \) 2.27 17 0 ditto 44 30 25 6 0 ditto 44 30\(\perp \) 2.7 0 0 ditto 44 30\(\perp \) 2.7 13 6 ditto 29 29\(\perp \) 3.7 4 6 ditto 29 29\(\perp \) 3.7 4 6 ditto 2 26 31 16 Chaparitta 55 4\(\perp \) 3.1 6 ditto 3 33\(\perp \) 2.13 6 ditto 3 33\(\perp \) 2.13 6 ditto 3 15 4\(\perp \) 3.1 6 ditto 3 33\(\perp \) 2.13 6 ditto 5 4\(\perp \) 3.1 6 ditto 5 33\(\perp \) 2.16 0 ditto 7 17 15 14 4 Ramsley 32 15\(\perp \) 1.3 6 ditto 25 5 6 Spanish 54 65\(\perp \) 5 0 Spanish 54 65\(\perp \) 5 0 Samptylde 8 5\(\perp \) 4 15 6
ditto 14 2214 19 9 6 ditto 11 64% 58 5 0	Westcott 8 54 4 14 6
	PRODUCE.
Cobre </td <td>Spanish 54 270 0 0</td>	Spanish 54 270 0 0
COMPANIES BY WHOM TH	Tons. Amount.
Copper Miners' Company P. Grenfell and Sons Sims, Willyams, Nevili, and Co. Vivian and Sons Williams, Foster, and Co. Mines Royal Company Mason and Elkington P. Bankart Briton Ferry Copper Company	283 2955 1 6 10114 910 3 6 365 7269 8 0 42745 5534 7 4 240% 1712 12 10 119 3249 4 6 272% 2731 3 4

			AVERAG	ES.						
		Prod	nce.	P	rice.			Star	ıdar	ď.
British Foreign		: 16	3-16 11-16	£ 3	8	3		£147 102	17 5	6
	Sale Totals—British,	16	7-16	£14	.5	0		£110		
	A	ERA	GES OF	P	vice.	****		Stan	dan	1.
		Frod	1.16		18			£120	0	4
Baltish		. 18	7-16	15	8	6		99	12	-
or or or	Totals Brandsh	13	Foreign.	£11 1311=	3 2199	0 to	ns (21 cv	£104	5	-

Sampled Sept. 29, and sold a.

	Mines.	Tons.	Price.	
1	West Basset	88	. £4 13 0	North L. 28 13 2 0
	ditto	83		ditto 109 7 1 0
1	ditto	72	. 3 3 6	United Mines
0	ditto .	67	. 7 6 6	ditto 5 8 0
-		51		ditto 78 9 14 6
		50		Great Wheat Altred 4 17 6
		47		diito 59 127 6
χf		45		ditto 83 1 11 4
y		43		ditto 29 17 6
-				ditto 27 6 h
:	ditto .			ditto 15 1 19
ė.		30		Levant 65 4 6
3-	Carn Brea			ditto 55 3 18 6
as		80		
		69		antio
-		62		ditto
	ditto .	55		Wheat Charlotte
÷	ditto .	48		diffo 11 12
:	ditto .	43	3 8 0	ditto
n	ditto .	38	. 1 6 6	ditto
le		36		Rosewarne 43 9 16 6
1		35		ditto 41 6 11 6
m		99		Aitto
ee		90		ditto 30 7 9 0
e.		77		Aitto 7 6 2 (
		78		Pendeen Consols 57 1 10
1.		72		ditto 48 4 2
••				ditto 3 26 6 0
_		32		Botallack 43 18 6 6
n		olgus 73		Bothines.
A		67		
		58		
18		57		
-	ditto .	52		Which Anna bo
u	ditto .	49		milio so a
y	ditto .	46	. 5 17 0	Treloweth 60 3 18 0
	Alfred Consols	79	6 0 6	ditto 6 13 13 6
8	ditto .	66	. 6 9 6	Wheal Trebarvah 45 7 11 4
in		52	7 2 6	ditto 8 4 0 6
ír		31	9 1 0	South Carn Brea 27 6 3 6
		60		ditto 21 2 8 6
y		53		Carvannal 29 2 11
of		25		ditto 18 7 9 6
		24		East Alfred Consols 35 6 6 6
t				St. Aub. and Grylls 14 7 18 6
3-		80		St. Aub. and Cigito In the
-		63		tillitio
		62		To Maria & Children
ıl	ditto .	50		ditto
1-		30		Tribeat Action
٤.	North Basset	56		Camborne Consols 11 2 5 6
-	ditto .	51	4 3 0	ditto 7 11 14 0
	ditto .	50		East Rosewarne 17 4 6
d		37	. 3.15 6	South Dolcoath 12 12 9 6
w		30		Spearn Consols 5 8 12 6
17		00 00		

ditto	*****	30 .	5	1	6	Spearn Consols		0	. 6	12	
			TO	TAI	L P	RODUCE.					
West Basset	. 612		£3095	5	0	Wheat Anna	81	£	408	13	6
Carn Brea	. 561		2240	5	6	Treloweth	66		315	18	0
Wheal Buller	. 443		1604	18	0	Wheal Trebarvah .	53		373	1	6
Great South Tolgus	. 402		2529	2	6	South Carn Brea	48		217	13	0
Alfred Consols	. 390		2071	17	6	Carvannal	47		200	4	6
Par Consols	. 285		2748	5	6	East Alfred Con	35		221	7	6
North Basset	. 281		1346	17	0	St. Aub. & Grylls	27		207	3	0
United Mines	. 269		1473	6	6	Wheal Polmear	25		258	19	6
Great Wh. Alfred.	. 238		1072	9	0	Wheal Tehidy	19		108	15	6
Levant				6	0		18		106	18	6
Wheal Charlotte .	. 158		1075	14	0	Fast Rosewarne	17		73	10	6
Rosewarne	. 152		1483	14	0	South Dolcoath	12		149	14	0
Pendeen Consols .				8	0	Spearn Consols	5		43	2	6
Botallack	. 91		1176	8	0						

COMPANIES BY WHOM THE ORES WE	ERE PURCHASED.
Tot	qs. Amount.
Mines Royal Company 22	416£ 891 3 9
Vivian and Sons	
Freeman and Co 39	4 2197 11 3
Grenfell and Sons 44	8 2588 1 3
Crown Copper Company 12	1 1083 5 6
Sims, Willyams, Nevill, and Co 64	
Williams, Foster, and Co 76	
Mason and Elkington 54	
F. Bankart 6	
Copper Miners' Company 25	0 1583 14 8
	5 69 7 6
Alkali Company 3	5 221 7 6
Briton Ferry Company 7	9 340 8 0
Total463	£26.181 13 0

Copper ores for sale on Thursday next, at the Royal Hotel, Truro.—Mines and Parcels.—Devon Great Consols 1801—Pheenix Mines 419—West Caradon 300—Bedford United 221—Marke Valley 210—North Wheal Robert 161—Holmbush 160—Devon and Cornwall United 153—Kelly Bray 146—Wheal Emma 115—Wheal Edward 110—Wheal Friendship 166—Sortridge Consols 92—Wheal Crowndale 855—South Bedford 74—Tavy Consols 30—Wheal Russell 30—Wheal Arthur 27.—Total, 4245 tons.

Copper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Parcels.

Copper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Parcels.

-United Mines 680—South Caradon 419—Great Wheal Busy 386—Fowey Consols 329

-West Damsel 242—East Wheal Tolgus 148—Grambler and 8t. Aubyn 115—South

Crimis 115—Wheal Mary Great Consols 96—Tresavean 56—Wheal Moyle 45—Creegbrawse 36.—Total, 2867 tons.

SECOND SALE IN OCTOBER.

Years	Tens.	Prod	١.	Amou	int.		Stan	dar	d.	Ore c	opp	er	. (Cake	cop.
1849	 1926	 85%		£11,587	15	6	 £102	7	0	 £70	5	0		£84	0
1850	 2788	 836		15,604	14	0	 99	12	0	 66	16	0		79	10
1851	 3025	 71%		14,896	2	6	 102	0	0	 65	9	0		84	0
1852	 4219	 73%		27,988	8	6	 181	8	0	 93	18	0		102	10
1853	 4365	 6%		29,134	6	0	 136	. 3	0	 96	8	0		107	10
1854	 5054	 63%		33,960	12	0	 139	7	0	 98	18	0		126	0
					16	0	 142	19	.0	 108	14	0		126	0
1856	 3971	 756		27,407	19	0	 126	10	0	 90	9	0		107	10
					1	0	120	10	0	9.0	19	0		101	10

57 4158 ... 634 ... 27,547 1 6 ... 139 10 0 ... 98 12 0 ... 121 1

The copper in the ore expresses the nett price per ton of copper paid to the miner.

THE PROGRESS OF MINING IN 1857,
BEING THE FOULTEENTH ANNUAL REVIEW.
BY J. Y. WATSON, F.G.S., Author of the Compendium of British Mining (published in 1843), 6R-anings among Mines and Miners, &c.

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Notices to Correspondents.

• Much inconvenience having arisen, in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

THE COST-BOOK STSTEM, AND LIMITED LIMINITY.—I am a shareholder in several mines working on the Cost-book System, which I understood when I bought was limited liability, but from contradictory accounts (see letters, &c., in your Journal) Thave now reason. Thelieve, to alter my opinion. Such a dreadful catastrophe as the case of the Western Bank of Scotland must make such as myself rather uncombrable as to the extent of our liability. Can you, therefore, tell me, through your Journal, whether the Cost-book Principle is limited liability or not?—T. A.: Manchester.

[In Comwall and Devonshire cost-book companies are under the jurisdiction of the Stanmaries Court, which is a cheap court of law and equity, and as it is guided much by customs which are favourable to the shareholder, cost-book companies in those counties may be considered as conferring a species of limited liability.]

FORKION SMELTING.—I perceive in the arrivals from Chili there is mentioned regulus as

ties may be considered as conferring a species of limited liability.]

orange Shelling.—I perceive in the arrivals from Chili there is mentioned regulus as well as copper ore. The reduction of the ore into regulus is the most difficult part of the operation, and when companies can effect this, the production of tough copper is a comparative casy process. By carrying out the reduction from beginning to end, there would be a great saving in freight, increase in value to the company, and no chance of being tricked at Swanses.—Alpha.

GREAT WHEAT VOR.—We shall give some information in reply to "A Sha (Paris) in next week's Journal.

GREAT WHEAL VOR.—We shall give some information in reply to "A Shareholder" (Paris) in next week's Journal.

West Carabon Mins.—A committee of investigation being now appointed, we may hope that in the course of a few weeks the results of their labours will be laid before us. I have no doubt that Mr. Crouch will be able to justify all the allegations which have from time to time been whispered as to working Craddock Moor at the brought before the committee. The mine, I hear, is progressing favourably, and we may soon expects or return to our former dividend-paying state.—C. I. M.: Brompton.

TREWEATHA MINE—"J. H." (Canobury-square).—The last dividend paid was 3a., in April, 1857, making a total of 1l. 12s. per share, whilst the calls, including the one made at the last meeting, amounted to 2l. 17s. There are only 88 shares in arrear of call, which were held by parties now dead or gone abroad. The reason the dividend slopped arose from the mine getting poor in the 40, but it has been vigorously prosecuted, and is now down to the 98. On reaching the 100 they expect to resume dividends, as other mines in the limmediate locality have proved rich at that depth.

GOLD IN ENGLAND.—It is a matter of surprise to me that, while so much has been expended in foreign gold mining schemes, the localities in England where this metal is known to exist in not inconsiderable quantities have hitherto not been proved. I alloue more particularly to Dolgelly, in North Wales, from the mines of which large specimens of the procious metal have been taken. I am aware that the search for gold at Wicklow, during the latter part of the last century, has given a distaste to the prosecution of the precious metal in the British Isles. The main by which Mr. Hiram Berdan obtained such large profits must be looked upon a a great repreach and a disgrace to all who were in any way concerned in the propagation of that monster deliusion. That gold exists in England there is no question, and that in several disricts, if worked, I believe it would pay.

Notes on the Isle or Man.—In looking over your Journal of Sept. 25, I observe th Rough Notes on the Isle of Man, from a correspondent. In alluding to the minera value a short distance beyond the Chasme, I find he is mistaken in saying the blend contained only T oss. instead of 17 ogs. of silver to the ton, which has been proved.—M. GROSE: Get. 12.

T. B. "(Portamouth).—A company of highly influential gentlemen was in the course of formation for the purpose of copper smelting about twelve months since. The locality where they proposed to erect the works was in the vicinity of Liverpool. The plans were drawn out, and the preliminary arrangements nearly effected. The crisis which occurred in the money market prevented the realisation of the project, and it has remained in abeyance until the present period. It is anticipated that it will be launched into public notice when favourable conjunctures will allow.

WOLFRAM-CARBONATE OF BARTIES .- The letter of "M. E." has been forwarded to the

GREAT CARADON AND SLADE MINING COMPANY.—In the Journal of Saturday you quo (in error) the price of these shares at 2s. 6d. each, which has occasioned much uneas ness to some of the shareholders. I believe that no transfers have been intherto lodgest at this office for registration which express a smaller consideration than 20s. per shar and one arrived this morning whence it appears that the shares were sold for £2 each—J. BEARDMORE WATHEN, Sec.

OFFER IN DURHAL.—Some months since a notice appeared of a discovery of copper ore in this county in a railway cutting. I have heard many who are intimate with the localities of Durham and Cumberland state they are of opinion that this must be somewhere situated on the ridge which passes from one county to the other. If the correspondent who forwarded the account were to state the precise locality where the discovery was made he would be conferring a favour on several enquirers, who are sceptical as to the existence of copper ore in that district.—T. P. conferring a favour on several enquirers, who are scep er ore in that district,—T. P.

covery was made he would be commanded that district.—T. P.

ALTEN MINING ASSOCIATION.—The reports that have come to hand are more favourable than those we have obtained of late. I see, however, that Capt. Charles Trelease has arrived in England. I know not whether he is likely to return to Kasford, but I trust that no ill-judged conomy on the part of the management has induced the resignation of the captain. There is an old saying, "Non passemus omnia" and although the local direction may be very saving, yet there are occasionally retrenchments which are more expensive than a judicious expenditure usefully laid out. If a menta which are more expensive than a judicious expenditure usefully laid out. man is required to do work well be ought to be paid in proportion, and when a to great niggardines is exercised the accounts will show probably that, although salarie are leasund, the expanse will be higher, owing to the fact that no efficient supervision has been thoroughly exercised.—W. B.

GREAT SHERA MINE.—Can anyone say when the next meeting of shareholders is to take place?—A SHAREHOLDER: London, Oct. 15.

place?—A SHARHOLDER: London, Oct. 10.

COPIAPO SMELTING COMPANY.—It is now nearly twelve months since Mr. Thomas a staff left England for Caldera, and aithough, in all probability, the directors have be informed as to his progress, yet hitherto I have seen no official information accorded the shareholders. We cannot expect that smelting has afreedy commenced, but may fairly anticipate that the furnaces are aiready erected, and that in the course of few months some results will be arrived at. From the well-known capabilities Mr. Thomas, no one can apprehend a failure: still, however, it would be some ast faction to know how far the works are erected, and when there is a likelihood thactive operations will commence.

active operations will commence.

Inox Shipsulloiso.—The destruction of the Austria by fire shows the necessity that some means should be devised for the purpose of affording safety to passengers and crew. Under all circumstances, it would have been expected that an iron-built ship should at least be fireproof. Many of the constructors of these vessels differ as to the manner in which they should be built; each, however, advocates his own views, and some of these regardless of expense. One sanguine projector thinks that six millions of the public money would be well spent in testing his invention, without entering into any of their respective merits, or discussing questions which have been so often placed before the public that all are weary of them, and, consequently, no longer care to listen to those concerned with them. This saunot be denied—the mode of obtaining Lloyd's certificate, under the present regulation, is too lax; and that these ships should be constructed of the best materials, and in the most perfect manner. It would be much better, and the public would have greater faith, if they were to see projectors doing, instead of garralously talking of what they believe they are capable of effecting, but which their general heavers only imagine are emanations of deussion, combined with braggishoolo.—Veritals.

North Detcoath Mine.—In the City Article of last week's Journal mention is ma of North Delcoath Mine as being involved in a dispute with the adventurers of We of North Delcoath Mine as being involved in a dispute with the adventurers of West Delcoath, and that the latter party claim the lode in which a discovery of silver his recently been made as being in their sett. Allow us to correct the erroneous impression this statement would convey to the public. The discovery was made a few feet behind the present deep adit endeast, which is not in the place of ground disputed, and the course of the lode, as well as the underlay, have a direction away from the point in question, as is plainly indicated in the plan, which may be seen at the offices of the North Delcoath Mine.—Vivian and Exynolds: Old Broad-street.

North Dolcouth Mine.—Vivian ash Exynolus: Old Broad-street.
Downmins Mines Stanans.—Mr. S. Richards has sent a very tong letter, in reply to
the remarks of Mr. Crofts, in last week's Journal, and in justification of his system o
introducing his property to the public for sels. We have not space for Mr. Richards's
communication, but he is very emphatic in denouncing Mr. Crofts' interference with
him, and in conclusion, he remarks.—'I still maintain that the system of advertising
prices legitimately of all shares really for sels is a fair and honourable mode of action
and a far safer guarantee for their nestor than the specious writings of paid touters
who have no personal interest is the undertakings they recommend, but puff up certain things for which they are puid, irrespective of their real worth or ultimate value.

MEET Rolls.—Will some one of your correspondents be kind enough to inform me the length of the longest aheat rolls how in use for the purpose of rolling either sheet iron or sheet copper? and the mante of the party, or of the works, having the like in operation in Riggland, with any other particulars they may consider of interest?—J. B. Midtchian, Chesterfield co., Virginia.

Midrathian, Chesterfield co., Virginia,

Coat-Burning Locomortws.—The mails essentials of a coal-burning locomolive arelarge grate surface, provision for the admission of air above the fuel to combine with
the gascoits elements of the coal, a roomy combustion chamber to permit the mixture
of the air and coal gas and the ignition of the latter, and a fire-brick disphragm to
maintain a temperature above that at which gases ignite. It is a matter of indifference in what part of the furnace of combustion chamber the air is introduced, provided
it eater before the temperature of the gas has been reduced below that of ignition, and
in divided jets, through small orifices about half an inch in diameter, to secure its
thorough commixture with the gases; the aggregate of these openings should equal
one square inch per foot of grate surface for every 5 hs. of coal burnt per square foot
of grate surface per hour. The resent introduction of first-brick disphragms into the
combustion chambers and these of steam-boliers is an immense acquisition. Some
periments were recently tried at Singeriness with a bolier proposed by Admiral Tucket
and Mr. Blaxtand, I believe, and the great-ot success obtained.—D. A.

PORRELLIS UNITED—"I T. H." (Hackney).—This mine, which is now for sale, was di-

"ORRELLIS UNITED—" T. H." (Hackney).—This mine, which is now for sale, was d vided into 2400 shares, 9t. paid, and was admitted on the Stock Exchange. It will, a doubt, have the same privilege if the purchaser conforms to the necessary rules.

Wheat Edward.—"A Shareholder" can obtain the information he requires on application to the secretary, at the office, as well as through the Journal.

CALON to the secretary, at the effect, and as through the Journal.

QUARTS REDUCTION CONTANY.—The time (Oct. 6) for the directors deciding whether they should accept the offer of Mr. Squire is now passed. Col. Kennedy, we were told, was to be put in possession of the secret. If it is practicable, and we are to be the richest company in the world, through the instrumentality of Mr. Squire, the scome this desired result is arrived at the better. The directors must be fully aware that no all the eloquence they possess will extract another shilling from the pockets of the shareholders, who have lost so much in this and its predecessor—the Agua Fris.—J. P.: Exister.

J. P.: Exeter.

COLOME MINING COMPANY.—At the last annual meeting the constitution of the company was considerably modified, and a resolution confirmed authorising the sale of such mines as they were unable to work for want of capital. The various alteration that have taken place will be submitted to the meeting on Oct. 29.

EXEMPINE AND EAST CRIMNIS—"R." (Rath).—These are two separate mines, worke under one company. It is calculated that the East Crimins at the present time would pay cost, if not dividends, but the great drawback has been the large outlay on Femples, without any result. There are a few shares held in Commall, but the principal body of adventurers reside in London.

HEAL EDWARD.—In Mr. Wm. Watson's letter, in last week's Journal, there is a error. Instead of "at any value," it should read "at any level."

error. Instead of "at any value," it should read "at any level,"

Ocia Mining Company.—From the period that this company was formed until its dissolution neither directors, agents, scretaries, or engineers appeared willing to affor any information to the proprietary. The last we heard was that the property was to period to accept the proprietary, I think this should be put before the public in some journs with a wide circulation amongst mining people. It may suit some interested partic to insert the notice of sale in an obscure country paper, and thus obtain for it jue enough to cover the liabilities of a property on which upwards of 6000/, has been expended. I trust that the proprietary in general will not allow the plant thus to depar from them. I believe there are several solicitors connected with the company, and they would, no doubt, give their advice as to the best mode of proceeding.—G. R. S. Rotherhithe, Oct. 14.

TITINEY WHEAL BOLLER.—"W. M." (Leeds).—The offices of the company will be removed from Great Wheal Vor in a short time, when they will be advertised in it Journal. The call made on the shares held in trust by the committee of Great Whe Vor was paid under protest, but every endeavour is being made to arrange matters between the two companies, without having recourse to law proceedings.

'rratum.—In last week's Journai, in Lady Bertha Mine, Carter's winze was stated worth in one place 251. per fm., and in another 301. per fm.; it should have been 451. per fm

THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, OCTOBER 16, 1858.

LONDON, OCTOBER 16, 1858.

In another column we give the first part of our usual epitome of Mr. Robert Hunt's very elaborate Statistical Returns of the Mineral Produce of the United Kingdom. Noswithstanding the unsatisfactory condition of commerce generally during the greater part of last year, the value of the mineral produce of the United Kingdom exceeded twenty-five millions, and the value of the metals as obtained from the furnace at the market prices of the year was no less than 18,105,708.

Of the 25,061,649, worth of mineral raised, coal, of course, contributes the largest proportion, iron, copper, lead, tin, salt, pyrites, and zinc following in succession; whilst arsenic, nickel, cobalt, barytes, &c., contribute but a small amount, their aggregate value being under 14,000.

The produce of Tin Orax in 1857 was 9783 tons, yielding of metallic tin 6582 tons, which is an increase of 433 tons of ore and 465 tons of metal, compared with the production of 1856. The average price of tin was, moreover, higher during 1857 than in any year since 1813, so that the money value shows more than a corresponding advance. The importation of tin likewise shows a satisfactory decrease, and one-fifth of the total import was derived from our colony of Victoria.

With regard to Copper, the total produce for the United Kingdom was 218,689 tons of ore, worth 1,560,922. 11s. 6d., and yielding 17,375 tons of metal. Of this amount Comish and Devon mines gave 191,798 tons of ore, worth 1,201,270. 15s.; Irish, Welsh, and other mines, 10,929 tons, worth 126,902. 6s. 6d., and the sales by private contract, not classified into districts, amounted to 16,052 tons, worth 232,749. 10s. Mr. Hunt remarks that in the computation of the copper ore produce there has always arisen much difficulty, from the circumstance that very large quantities of ore are purchased by private contract, alike from British and foreign mines, and it has been almost impossible to separate these one from the other. It is believed, however, that this has been more cl

proved price. Much attention has been directed to the metallurgy of zinc; and smelting processes, which promise both economy and dispatch, are being introduced. The total quantity of zinc ore produced in 1857 was 9289 tons 11 cwts., valued at 30,982£.11s. 11d. Our importations of zinc amounted in 1857 to 18,001 tons, and 429 tons of oxide. The exports were—British, 3123 tons 10 cwts.; and foreign, 1379 tons 18 cwts.

The quantity of Sulphur Ores (Mundic) sold in 1857 amounted to 74,679 tons 2 cwts., valued at 63,804£ 14s. These ores are now claiming much and deserved attention.

The Iron Ores raised in 1857, amounting to 9,573,281 tons, were converted by 628 furnaces into 3,659,447 ons of metal, the value of which at verted by 628 turnaces into 3,639,447 one of metal, the value of which at the furnace was 11,000,000. Mr. Hyar remarks, that the very unfortunate position of the iron trade towards the close of 1857, when about 80 blast furnaces were blown out, naturally led to a belief that the falling off in the make of pig-iron would have been very considerable. It is found, however, that in 1857 we made 3,659,447 tons, against 3,586,377 tons in

the preceding year. This increase in the make has been explained by the fact that up to the crisis in October enormous quantities were made in some works, and thrown into the market at greatly reduced prices, to endeayour to avoid the consequences of the pressure which was already casting a dark shadow upon our metallurgical industries.

There was a decrease in the quantity of Coal raised in 1857 to the extent of 1,250,748 tons; the produce for last year having been 65,394,707 tons, against 66,645,450 tons in 1856. Durham and Northumberland, of course, stand first on the list; then Yorkshire and Lancashire, each yielding more than the whole of Scotland; and Staffordshire, Worcestershire, and South Wales, follow next in succession.

Salt, Arsenic, Nickel and Coralt, Bartles and sundry rarer minerals, which in the aggregate little exceed 500,0006, bring the grand total to nearly 26,000,0006, which must prove that our mineral industry contributes in no small degree to our commercial position. The well-known necluluses of mineral statistics has been sufficient inducement to most paries connected with mining to furnish the particulars of their operations; and although there has been on enactment to compel a return, Mr. Hust feels himself called upon to acknowledge the courtesies and assistance he has almost invariably received, and which has tended materially to place mining on a more healthful basis.

In future Journals we shall give a complete abstract of the entire return, embracing all the features of our general mining industry.

In his last week's report from Yorkshire, Derbyshire, and Lancashire, our valued correspondent makes an able defence for Mr. Hedley against the animadversions on the conduct of the Inspectors which have recently appeared in our columits. He maintains that Mr. Hedley have recently appeared in our columits. He maintains that Mr. Hedley have recently appeared in our columits. He maintains that Mr. Hedley have recently appeared in our columits. He maintains that Mr. Hedley have a set in the conflict of the whole of the collieries of his district three and four times during the three years of his appointment, but the most dangerous ones three times a year; and that instead of regarding the Act as a penal one, he only appeared before the magistrates twice in 1857, and once in the current year." We most cheerfully admit that Mr. Hedley have no compared to the Secretary of State are silent on this subject, and that has studiously kept the public in the dark as to the number of collieries actually inspected, the more especially as the want of, and the necessity for, such information has been frequently mentioned in our pages during the last five years? If the Inspectors which distinguish Mr. Hedley administration of the powers vested in him, and of which we have no reason for complaint if their conduct is at times even undeservedly censured. We entirely concur with our correspondent in his commendations of the prident tact and amenity of manners which distinguish Mr. Hedley's administration of the powers vested in him, and of which we have had confirmation by communications from extensive colliery owners in his district; and we deeply regret that we are trusble to extend the same crasse to the other gentleman mentioned by our correspondent, whose conduct and manners, it is rumoured, are adverse to the popularity of Inspection in his district, that which we trust will in future be more in harmony with that civility and kindness, united with firmness of purpose, which is essential to the success of the object sought to be

From the reports for the year 1857 it appears that there is not only no diminution of fatal accidents, but that there is absolutely an increase. The will be readily perceived on an inspection of the following numbers of the lives lost in coal mines since 1850, as is shown in the Inspectors' reports:

984 lives lost in 1851.

986 lives lost in 1852.

957 lives lost in 1853.

1027 lives lost in 1856.

1119 lives lost in 1857.

7081 lives lost in 1857.

7081 lives lost in seven years.

The Lund Hill explosions has been urged in extenuation of this increase, but we are unable to appreciate its force. During the five years preceding 1857 the lives lost by explosions varied from 321 to 210 per annum, whist in 1857 the number was 377, thus showing an excess of 56 over the previous maximum of loss under this head; and if we deduct this excess from the total number of lives lost in 1857, we have to deplore the violent deaths of 1063 men in that year, and which still shows a lamentable increase of the destruction of human life in the coal mines of Great Britain.

The startling fact that 7081 men have lost their lives during the last

crease of the destruction of human life in the coal mines of Great Britain. The startling fact that 7081 men have lost their lives during the last seven years, and that this fearful evil is going on with unmitigated severity from year to year, is presumptive evidence either that the Inspection Act requires amendment, or that it is inefficiently administered. The vast importance of the subject involving as it does the safety of the lives of 230,000 industrious and valuable men, imperiously demands public attention, and we trust our efforts to direct it into this channel will ultimately be crowned with success. We shall recur to it again.

Another unsatisfactory verdict has been given in the case of a boiler explosion. The jury was called upon to pronounce their opinion as to the cause of an explosion which recently occurred in Hyde-road, Manchester, and whereby two men lost their lives; and the only conclusion that they could arrive at was that the deceased had been killed by the explosion of the boiler, caused by over-pressure; but that how the over-pressure was occasioned there was no evidence to show. There certainly appears little doubt that the explosion was caused by the safety-valve being tampered with; but as there was no positive evidence to prove this, the casualty must be added to the list of those not satisfactorily accounted for. Mr. Richard Roberts, C.E., examined the boiler professionally, and stated that it was cylindrical, 11 ft. 7 in. long and 3 ft. 8 in. in diameter. The ends were flat and turned up for rivetting to the shell, and were strengthened by a flue 1 ft. 10 in. in diameter (inside), made of plates nearly \(\frac{3}{2} \) in. thick, and secured to the ends by angle iron and rivets \(\frac{3}{2} \) in. diameter. With one secured to the ends by angle iron and rivets \(\frac{1}{4}\) in diameter. With exception, all the plates he saw were rather more than \(\frac{1}{4}\) in thick. exceptional one was barely \(\frac{1}{4}\) in thick. The rivets were \(\frac{1}{4}\) in. diam and \(\frac{1}{4}\) in apart—a suitable proportion to the thickness of the plates. exceptional one was barely \(\frac{1}{2}\) in. thick. The rivets were \(\frac{1}{2}\) in. diameter, and \(\frac{1}{2}\) in. apart—a suitable proportion to the thickness of the plates. The workmanship was good, and the quality of the iron appeared to be better than the average of that of which boilers were constructed. He did not find a single badly-punched rivet hole; in fact, the boiler was so well made that for every foot of rent in the seams there were two or three feet in the solid parts of the plates. The weights projected into the Borough Jail were—34\(\frac{1}{2}\) lbs., \(\frac{1}{2}\) lbs. The safety-valve worked freely, as \(\frac{1}{2}\) did the lever. The diameter of the opening in the valve seating was rather more than \(2\) in. The cutside diameter of the valve was at the farthest notch from the fulcrum was as 6.6 in. to 1 in. This would give, if the \(34\) lbs. weight were used, a steam-pressure of 70.6 lbs. per square in. before blowing off, which, in a boiler of 3 ft. 8 in. in diameter, would give 1553 4 lbs. as the tensile strain to which it would be subject; whilst, according to the published data, iron of moderate quality would whilst, according to the published data, iron of moderate quality would bear six times that pressure. He had been informed that the 35 looms which had to be worked would only require from 2½ to 2½ horses' power,

total to

gainst cently l and

that

coal

whilst the engine, which had an 8-in cylinder, would, with the 344 lbs. weight, have worked up to 17 horses' power. From these circumstances, the only conclusion he could come to was that the boiler had been ruptured by excessive pressure; and he thought it highly probable that all the five weigh.s he had referred to had been put on the lever, as they were all blown in the same direction; but he did not think an engineer, however ignorant he might be, would do such a thing himself. He could scarcely help thinking that the weights had been put on as a practical joke. Had all the five weights been on, the pressure would have been about 219 lbs. to the square inch.

thinking that the weights had been put on as a practical joke. Had all the five weights been on, the pressure would have been about 219 lbs. to the square inch.

We have here a prominent instance of the inadequacy of inspection alone, is being clearly shown that the boiler was in good condition, well made, and of fair quality iron, to say the least; and there is nothing to lead to the conclusion that there was carclessness, or unjustifiable economy, on the part of the owner of the boiler, yet he has to submit to the loss of the value of the boiler, in addition to that accruing from stoppage of his works. Such facts as these readily account for the manner in which the offers to insure, immediately the Steam-Boiler Assurance Company are in a position to accept risks, have been sent in. We understand that the shares have been well applied for, and that the undertaking will shortly be in full working order, when, judging from the reputation and experience of the committee, the most satisfactory results may be looked forward to. As 12 months have elapsed since the project was first taken into consideration, there has been ample time for ascertaining all the necessary particulars for the successful carrying out of the scheme; and, as the insured are to partake of the profits, should the tables of premiums be slightly in excess of the amount absolutely requisite it will be almost immaterial.

Every precantion will be taken to prevent risks being undertaken upon doubtful boilers, and the premiums will be calculated at so mach per cent. on the amount assured. The society will insure boilers of every description, and also any damage arising to property from their explosion. This, however, is not the sole source from which the company will derive profit, as it is proposed to recompense the proprictor of an exploided boiler either by paying the value of it, or the sum assured when that is less than the value of it, or the sum assured when that is less than the value of it, or the sum assured when that is less than the valu

and if a bar of iron be subjected to the action of acid, the fibrous quality will be distinctly shown. Some metals, if melted to a certain degree, and then allowed to fall, break into columnar pieces. Malleability is the property of extending in all directions without breaking, and is opposed to brittleness. Thus, gold and silver are highly malleable; while bismuth and antimony only possess this quality in a low degree. There are various conditions which affect the malleability of metals. Copper is malleable when cold or hot; but if heated beyond a certain point it becomes so brittle that it can be reduced to powder. Zinc is most valuable when heated to a proper degree, and can then be rolled out into thin sheets; if some of these are taken and bent backwards and forwards they emit no crackling sound, nor will they break; but if heated more than necessary. some of these are taken and bent backwards and forwards they emit no crackling sound, nor will they break; but if heated more than necessary they become easily frangible. The lecturer then described the process of annealing. With regard to bronze, that which hardens most metals softens it. If a piece of steel be taken and cooled rapidly it becomes hard; the contrary is the case with bronze. Some alloys undergo peculiar molecular changes even when at rest. For instance, brass wire, and chandeliers composed of that metal, had been known to fall without any given cause. In order to multiply their patterns, some of the manufacturers employed for their castings an alloy of lead and tin; but, in the course of a very short period, these became so soft that they were entirely useless. Ductility is the power of traction—of drawing out without breaking. They must not confound malleability and ductility together, there being a great difference between the two, as they would perceive from the relative posi-

tion of those properties with regard to iron. In the tables which are generally put forward, the names of the metals are only mentioned, but not the physical charges they have undergone; and it is most desirable, in order to arrive at a correct jitigment, that such should be stated. Tenacity denotes the strength, and this is generally tested by applying successive weights, and thus ascertaining the strain the metal will bear. Molecular changes, and the presence of foreign matters, even though in a most minute degree, have a great influence on tenacity. With regard to iron at 0°, it gave 205.405; at 100°, 191.270; and at 200°, 210.270, so that at 0° and 200° it was more than at 100°. Tonghness applies to bending without breaking—such as coppary and it is used to denote the opposite to sectility, or the property of being cut. Another word which was used is softness—thus, lead is denominated a soft metal; but, in the commercial varieties, soft and hard are used in a compstrative state. There are, likewise, the conductility of heat; silver being one of the highest, marked at 100, while bismuth is lowest, being only 1°9. Those metals which are the best conductors of heat are likewise those of electricity; this varies much with the temperature, as conductility diminishes as the temperature increases. Professor Thourson has lately, before the Royal Society, read some interesting papers on copper wire, referring to this property.

From the above brief réasiné, it will be seen that, previous to the student at once embarking in the study of so difficult a science as metallurgy, it is the aim of the lecturer to teach him the terms which may be used, as well as to explain their meaning, illustrated as these are by specimens of the different conditions referred to. If the disciple uses his own powers

as once embarking in the study of so deficult a science as metallingy, it is the aim of the lecturer to teach him the terms which may be used, as well as to explain their meaning, illustrated as these are by specimens of the different conditions referred to. If the disciple uses his own powers of observation, and accompanies this with a diligent attention and a careful study of the various works and papers published on the subject, there can be no question but that the knowledge so acquired must render him. A valuable adjunct in any of our large metallurgical works. As Dr. Percr observed, he must not expect to go from there and take the charge of a large establishment. If he chooses, he may be well grounded in the practice of assaying, and the theory of the science. Possessed of this knowledge, he will be soon capable of learning the art. Practical experience will then teach him how best to apply the acquirements he has attained by attendance at the lectures. Several of the pupils have already distinguished themselves in India, and elsewhere. The Government School of Mines is yet comparatively in its infancy. All who have studied there are still young men; but it is not unreasonable to anticipate that, in the course of a few years, we shall hear of several of the pupils as an ornament to their profession, and an honour to the school which has educated them.

In our last Journal we referred indirectly to a pamphlet, by Mr. Pike, "Is Mining for Metallic Ores a Desirable and Profitable Channel for Investment, or is it Not?" and we now desire to draw special attention to this little publication. It is one of those very useful and encouraging brochures which occasionally appear in different channels of commercial enterprise, and is deserving of the thanks of all who are associated with the mining industry of the country. It is, moreover, an opportune work, and its value is accordingly enhanced. It comes forth at a moment when there is such apparent desire to give energy to mining enterprise in localities which have been lying in a state of abeyance for some time, and shows that there is more than ordinary reason to calculate on remunerative returns for money embarked in such associations; so that the investor has data that there is more than ordinary reason to calculate on remunerative returns for money embarked in such associations; so that the investor has data wherewith to calculate for himself the probabilities of the successful issue of any project. Adverse interests are always ready to decry mining altogether, but, notwithstanding all the efforts which are constantly made by such persons to divert capital from this section of our commerce, resources have never yet been wanting to support the efforts of those who have devoted themselves to the development of the mineral wealth of the country, and the statistics furnished are unanswerable evidence that this confidence has not been misplaced. Mr. Pirk's pamphlet is, therefore, in season, by furnishing such undeniable proof of the great benefit which has accrued, and will, no doubt, continue to accrue increasingly, to all who give their sanction, by support, to this indespensable portion of the business of the nation.

accrued, and will, no doubt, continue to accrue increasingly, to all who give their sanction, by support, to this indespensable portion of the business of the nation.

Mr. Pike says, very truly, that, "like everything else with which we are acquainted, mining for metallic ores has had its infancy of charlatanism and superstition, emerging from that into a pertuol of theory and misdirected effort, and, finally, taking rank in the dignified circles of the sciences. In order to effect this result, centuries of time, and generations of hardworking, reflective man have been absorbed; facts, collected with great personal danger and scientific enthusiasm from the remotest regions of the earth, have been carefully elaborated and generalised; kindred sciences, owing to the necessity of the position, have been called into being, and others already known wonderously perfected, and, finally, all brought to bear on the subterranean riches of the earth, in order to constitute what is now known as the science of mining. The direction in which metalliferous veins traverse the earth is now accurately ascertained: in particular districts their angular declination is determined. The course of non-metallic veins is also known, as well as their effect on the metallic veins when in contact. The most congenial strata for the production of different descriptions of ore are accurately catalogued, and the experiencel miner can judge of its proximity, or otherwise, to copper, lead, or tin by the varying stratific changes which he encounters in his progress. All the leading veins of ore yet discovered are as carefully mapped in their devious course through the country as a surface area would be delineated in civil engineering, whilst by the aid of the dial, the miner can pursue his way underground with the most unerring certainty, only to be derived from the teachings of exact science. It will thus be seen that mining is not so much a matter of chance as is very generally supposed."

After demonstrating fully and satisfactorily that minin

The enterprising promoters of steam communication between Galway and the United States have resolved to render their efforts permanent by the formation of a company, with sufficient capital and effective management. The prospectus is now issued, and the Atlantic Royal Mail Steam Navigation Company is the denomination of the association brought before the public under the direction of gentlemen of known position in London, Liverpool, and Manchester. The capital is to be 500,000l, in shares of 10l. each, on which is deposit of 2l. per share must be made before application for shares will be considered; but more than one-third of the necessary capital has already been subscribed, it is stated, by persons practically acquainted with the advantages which must accrue to the comor the lectesalty acquainted with the advantages which must accrue to the company, and the power of the company to carry out their plans with the amount of money proposed. This is an important project in a public point of view, and one which will, nd doubt, meet with ready support. The trade between the two countries; increasing as it does with such gigantic steps, requires that every available means should be used to render the voyage as constant as possible, while it is equally essential that the time occupied in the transit of goods and passengers should be brought to the shortest practicable period; and the question of safety, both as respects the merchandise interchange, and the lives of those who have to pass too and fro, is of still greater moment. This desideratum is met to a large, if not to the fullest, extent by the establishment of steam intercourse between the west coast of Ireland and the United States; it is, undoubtedly, the shortest route which can be attained, so much so indeed that it is calculated that telegrams will be little more than six days travelling from London to Washington; whil, on the other hand, all the dangers of Channel navigation will be avoided, which, of itself, is a reason why the projected line should receive the co-operation of our capitalists and moneyed men. This point is the which cannot be too strongly dwelt on. All classes are doing their uthost to remove danger from seaward trapractically equainted with the advantages which mu st accrue to the co moneyed men. This point is the which cannot be too strongly dwelt on. All classes are doing their uthost to remove danger from seaward travellers and navigators, yet statistics show that the annual loss of lives and goods is nevertheless of enormous extent, especially in our channels. In the one which will be avoided by this new route no less than 1000 lives, and above 500 ships, are sacrificed every year, so that philanthropy alone are doing

should lead to the establishment of all lines of intercourse which tend to materially, if not to remove, the difficulties which

should lead to the establishment of all lines of intercourse which tend to decrease materially, if not to remove, the difficulties which occur to vessels navigating our seas.

The importance of the route selected by the Atlantic Royal Mail Steam Navigation Company "is highly appreciated," it is stated in the prospectas, "by the Governments on both sides of the Atlantic; and the poculiar advantages which it presents will undoubtedly secure the transmission of the mails, not only to the United States and British North America, but through the Hudson's Bay territory to Vancouver's Island and the Gold Regions on the Pacific." In this we fully concur. The respective Governments must give their support to a project of this nature, for, as we have already observed, it is one not only of class but of national interest; and although they are always slow in rendering aid to commercial enterprise, public opinion forces them in time to do what is necessary and just. It is, however, only right to mention here that the British Government has already given an earnest of their support, although a trifling one, by remitting "all harbour dues and charges for the Port of Galway upon vessels owned by this company." Altogether, the company now proposed has every element within itself to induce the public to give it full support, and the intense interest which is shown on all sides to bind the two countries together, by every practicable means, will no doubt be further evinced in respect of the Atlantic Royal Mail Steam Navigation Company.

To the perseverance and energy of Mr. John Orrell, Lever, of Manchester, is due the praise for showing the practicability of the route, and the shortness with which the passage could be accomplished with regularity, safety, and economy. The consideration to be given to this gentlemat, does not appear, but he is most assuredly entitled to something special,—something more than any interest he may hold like other persons by explanting capital therein.

The facilities for extending the coal and iron trades in the United States having been again brong to the forward, by our correspondent "Engineer," in our last Journal, and we are and to make a few remarks upon the Hofkins Mastrodon Company, to which he so especially refers. The property, which has been carefully inspected and reported upon by Messra Safrond and Owes—the former State Geologist of Teunessee, and the latter Professor of Geology in Nashville University—is on the southern mark in of the great Illinois coal field, is admirably situate for drainage, and can be easily and cheaply worked. The prices that coal realises in the several markets which the company would be in a position to supply would leave an ample profit to the shareholders, and as soon as the Henderson and Nashville Railway, now in course of construction, is open, the company's coal will meet with a demand which must give most satisfactory results; whilst the consumer will have the advantage of excellent fuel, at a lower rate than at present. The advantage of possessing a property where the valuable minerals are near the surface is at all times great; and in the case of the Illinois coal field the fact of the beds being thicker and closer within a few miles of the extreme limits than in the centre add materially to the prospects of speedy and lasting success. Coal bed No. 1, where partly opened upon a little south of Madisonville, is 5 ft. thick, and it is estimated that throughout the company's property the thickness will average 6 ft. The thickness of the next bed, which is but a few feet below the first, is from 7\(\frac{1}{2}\) to 8 ft., and incombustible matter varies from 3-4 to 4-1 per cent., so that it cannot be disputed that it is an unusually fine bed. The third bed averages 5\(\frac{1}{2}\) ft. in thickness, and above it is a bed of cannel coal of good quality; it is from 60 to 70 ft. below the last, and the quantity of ash is not greater than in the second seam. The next two seams below are not of such value, although in less

Although little if any actual progress towards the settlement of the dispute between the colliers and colliery proprietors has been made, the Yorkshire colliers have taken a step which clearly shows that they are not so entirely averse to an amicable setalement as has been supposed. In the first place they publish a table of the prices actually paid in 1850, 1854, and 1858 respectively, per ton of coals whole ale, cash at the pit's mouth, and then unanimously pass a resolution for submitting the whole case to arbitration, so that it now remains with the masters in prove that the colliers' statements as to price are incorrect, in order to remove from the minds of the public the idea that the masters have been unjustly endeavouring to oppress their workmen. We subjoin the table of prices:—

Per Ton. 1850. 1854. 1858. Advance on 1850.

Per Ton.	1850	0.	1854.	18	158.	Advance on 1850.			
Best Lofthouse	5s. (Dd	8s. 0d	7s.	. 6d	50 per cent.			
Allerton Main	. 4	6	7 6	6	6	. 50 per cent.			
Seconds									
Slack	1	0	9 6	9	0	100 per cent			

Thus from 1850 to 1854 the price of coals advanced about cent. per cent., and even after undergoing the reduction between 1854 and 1858 remain upwards of 62 per cent. above the prices of 1850, and the colliers consequently ask on what grounds the masters claim to make a reduction in the rate of wages. The masters seem to admit that wages have not been advanced more than from 25 to 30 per cent., and arguing upon this admission, the men state that "the advance of 25 per cent. is about 4d. per ton to the workman, whilst the advance obtained by the masters is about 2s. 6d. per ton compared with the price of 1850." Assuming, however, that the masters are in a position to refute the arguments of the colliers, the resolution of the latter is of the fairest possible description, and if the masters have anything to justify them in the course they have adopted they cannot object to the arbitration proposed. The resolution of the men was:—

"That we are open to appoint a committee to meet our employers, in order to endea-

Object to the arbitration proposed. The resolution of the men was:—
"That we are open to appoint a committee to meet our employers, in order to endeavour to bring about an honourable arrangement, and at the same time propose that the proprietors should select six, and the men six, disinterested gentlemen to take the casinto arbitration, and that a reporter be permitted to attend to take notes of the proceedings; and we likewise request the Rev. Mr. Bell, the Vicar of Rothwell, and the Rev J. H. Longsdon, of Seacroft, to use their influence in bringing the same about."

J. H. Longsdon, of Seacroft, to use their influence in bringing the same about."

The colliers are receiving a fair amount of support from their fellow-workmen in the Barnsley, Durham, and Northumberland districts, and they have hopes of being enabled to keep firm to their purpose—at least, until the opinions of both parties to the dispute are fairly before the public. The "West Yorkshire Coal Owners" have issued a circular, stating:—

1. That they have only taken off one-half of the advance of 30 per cent. in wages which was given to the colliers in 1853, at a time when flour was double the price it is at present.

2. That even at the reduced rate of wages offered, an average collier can, at most colleries, earn from 4s. to 4s. 6d. for eight hours' work, clear of all deduction. This statement the masters can prove, by referring to their wage-books, if necessary: and that it

2. That even at the reduced rate of wages ordered, an average collier can, at most colleries, earn from 4s. to 4s. 6d. for eight hours' work, clear of all deduction. This statement the masters can prove, by referring to their wage-books, if necessary; and that it is acknowledged as correct by the men is proved by the following rule, extracted from the code alluded to above, whereby the men agree to limit themselves to earning 3s. 3d. per day, under the reduction, or 4s. at the former rate of wages, thereby confessing their power to earn more than that amount:—"5th Rule—That no member of this association be allowed to work more than eight hours per day, or to earn more than 3s. 5d. per day, under the 15 per cent. reduction, and to earn 4s. per day when the 15 per cent. is obtained, and no more."

3. That the increased staff of officers rendered essential at every colliery, in order to conform to the recent enactments of Parliament, together with the late and present depressed state of trade, has added so much to the cost of production of coal, that the rate of wages offered is as liberal as can be afforded.

4. That the men at all collieries will be allowed to resume work on promising to conform to the Colliery Rules, relinquish the restrictive principle, work eight hours per day, when required, and agreeing to abandon the "Union," which has been the cause of the "strikes" which have periodically produced such misery among the mining popula; tion of England.

5. That the coalowners feet that the present struggle is not one based on the question of wages alone, but is, in fact, a struggle for the entire mastery between the employers and the employed. The spirit of dictation towards both their masters and their fellowworkmen, evinced by the colliers, is proved by the fort, that within the last few months several masters have received notices from their men, that unless certain individuals obnoxious to the "Unionists," owing to non-conformity to the above-named rules, were summarily dismissed, the whole of the men

the first instance, the present state of agitation and forment will be prolonged indefinitely. This is proved by a perusal of the following rule, the 8th of the published code above-named, which essacts:—"8th Rule—That each district shall have the power to another any strike or strikes, to the amount of 10 per cent on the number of members in the said district, for any just and reasonable advance of waxes for the labour of the miner, or to prevent any unjust reduction of the waxes for the labour of the miner, or to prevent any unjust reduction of the waxes for the labour of the miner, or to prevent any unjust reduction of the waxes for the labour of the miner; but on no account shall a district sanction any strike to exceed the above amount without having the permission of the general board."

In conclusion, the coalmasters deep in toto the statement of the mea, that they (the men) have exhausted every means for couning to an amicable settlement of the dispute. The spirit so far shown by the men, with few exceptions, has been one of dictation to-wards their employers, on the refusal of the latter to admit the right of the men to tax the prices of coal, and to regulate other matters connected with the trade. There is no reason why miners should alone be exempted, among all other ishouring classes, from being called upon to bear their due share of the occasional depression inevitable in all commercial communities. They further state, that the colliers refuse at all collieries to work for stock; the effect of this refusal will be, that the coalowners will be unable, by means of the production of the summer months, to supply the extra quantity required for the winter's consumption.

Whatever force there may be in the statement put forward by the masters, we cannot but think that the proposition of the men is so fair and reasonable, that any further opinion upon the subject should be withheld until suggestion has received attention.

In our Supplement to this day's Journal, we publish an account of the proceedings at the annual meeting of the ROYAL CORNWALL GEOLOGICAL SOCIETY, an old and useful institution, which, it is lamentable to find, is rapidly decaying, through the apathy of the Cornishmen. Under the auspices of Dr. Paris and Lord De Dunstanville, the society was speedily raised to an enviable position amongst the scientific societies of the king-dom. Four years after its establishment it could boast of no less than 160 members, and amongst them some of the brightest stars which Cornwall members, and amongst them some of the originess subscribing members has produced. In the present year, the number of subscribing members has dwindled down to 60, and the President is compelled to remark that has produced. In the present year, that down to 60, and the President is compelled to remark that there are causes enough to raise apprehensions respecting the permanent existence of the society.

The demands upon the funds of the society are small, it is true, and the content of this year are fully as interesting as any which have hitherto

papers read this year are fully as interesting as any which have hitherto been presented; but it can scarcely be hoped that without the infusion of fresh blod, into the association its character can be sustained. It is not of resulting into the association its character can be sustained. It is not likely that the gentlemen who contributed the papers this year will be in a position to furnish equally valuable communications continually; but surely their exertions to diffuse more scientific knowledge amongst the miners, and to elevate their position, should be sufficient to create a desire in the winds of Considerate and the surface of the sur maners, and to elevate their position, should be sufficient to create a desire in the minds of Cornishmen generally to follow in the steps of the earlier members of the society. The young men of the county should feel that men do not become DAVYS, LEMONS, and FOXES without exerting themselves, and that there are no better means of making themselves masters of the subjects, a knowledge of which is calculated to aid them in attaining a reputation which all should aspire to. We trust that it will not again be necessary to refer to want of support, and the existence of the society. be necessary to refer to want of support, and the existence of the society being in jeopardy, but that before the next meeting some Paris or De Dunstanville will come forward, and endeavour to clevate the institution to its former prosperity.

ON ACCIDENTS IN COLLIERIES.

On perusing the annals of the Inspectors, and of the public prints, the chief causes of death are as follows:

1.—Accidents in shafts. 2.—Explosions.

2.—Explosions.
3.—Falls or stone, &c.

Throughout the northern district for several years past not a single death has occurred from the breakage of ropes or chains, or from over-winding—accidents which are frequently happening in other districts, although the rate of winding is much less rapid than in the first-mentioned case; this is owing chiefly to the employment of a better class of breaksmen, and also that the engines are made to draw immediately from the crank-shaft, and so emidle that the manager cannot for a moment quit the hand coar.

so rapidly that the manager cannot for a moment quit the hand gear.

Several devices have come under consideration to provide for the breakage of ropes or chains, but none have been permanently adopted, because it is believed that if any such were made to depend upon, it would lead to overwearing them—in fact, no chains are used—and as soon as ever the rope shows signs of decay it is replaced by a new one. The shaft accidents, therefore, are owing to some oversight of the colliers, or to some unforesseen occurrence. foreseen occurrence.

The explosions that have occurred are almost entirely owing to some want of caution of the overmen or deputies, or to the want of locked lamps, whereby the colliers have had the means of working with open lights, where they ought to have been closed. In many cases, the management of the safety-lamps is greatly deficient.

In the well-regulated collieries the lamps and oil are provided by the

owners; the men are allowed to take their lamp-tops home to clean; but the bottoms are left with a keeper in a cabin for the purpose in or near the pit, which subjects the lamp to be examined and locked before delivery to

On the contrary, where the colliers buy their own lamps, they are apon the contrary, where the colliers buy their own ramps, any may are up to go to the cheap's translet, and are unwilling to condemn the lamp when the screws, &c., fail, because of the expense of a new one; and taking the whole lamp home, they clude examination on going to their work.

In many collieries the lamps are not provided with proper locks, but the colliers are at liberty to work with them open or shut. In small collieries

colliers are at liberty to work with them open or shut. In small collieries the proper system of examination is thought too costly, and in some of the larger collieries great carelessness in these respects prevails. Therefore, it be an imperative rule that where lamps are necessary they ought to

should be an imperative rule that where lamps are necessary they ought to be locked lamps, and the managers to be held responsible for such regulation. Single bratticed shafts, too, are severely to be deprocated, especially where ventilating furnaces are employed; for, in case of the brattice getting on fire, as occurred lately at Page Bank, the lives of the people are placed in jeoperdy, as well as the property.

All pits should be fitted up with guides in the shaft, and the use of chains abolished—a very useful apparatus for guarding against the falling down the shaft is the adoption of gates, to be lifted up by the cage, which fall when the cage descends, and form a complete guard to the pit; the expense is trifling, and the apparatus fast extending. Without guides in the shaft constant danger may be dreaded, and the custom ought not to be palliated. It is sheer folly to blame the ignorance of the colliers regarding the lamps; the true principle is not to trust to the discretion of the colliers, but to adopt restrictive principles, such as herein mentioned. The liers, but to adopt restrictive principles, such as herein mentioned. The many lives which have been sacrificed by want of locked lamps is appalling to think of, and coroners' inquests should narrowly scrutinise the arrangements which exist previous to accidents. Instead of seeking to discover what collier set fire to the gas, direct enquiry as to the cause of the gas being there, and whether it could not have been removed under a proper system

Falls of stone, too, are much dependent upon watchful overmen and denties, and not to trust to the discretion of men setting their own timber in the butty system.

A NORTH COUNTRY VIEWER. as in the butty system.

PROSPECTS IN THE COAL AND IRON TRADE.

We hail with much cheerfulness and satisfaction the gratifying announce ment to the public, and more especially to the owners of collieries in South Wales, that the Government contract for the monthly Mail service to Australia has been awarded to the Peninsular and Oriental Steam Navigation whose requirements of steam-coal (already so enormous) mus in no small degree contribute to the wealth and prosperity of the coal districts of Glamorganshire. We may almost calculate on its being, at no distant period, further announced, the initiative being taken by this powerful and opulent company, to establish a similar postal service with China, and what must follow in its train, though, perhaps, gradual in its development, will be that 400,000,000 of people will be brought to participate in the advantages which we have ourselves derived from mechanical science. in the advantages which we have ourselves derived from mechanical science, and which has raised the commerce of England, and especially its manufactures, to a standard to be able to supply the demands of the world. By our treaty with China, the opening wedge of civilisation has found an entrance to a vast empire, and steam and electricity will drive it home. When we reflect how recently Europe has risen to its present importance from barbarism—how slow was her march of progress until mechanical circumstances with the property of the pro science began to be developed—how this mighty influence within the present century, only yet half expired, has revolutionised the food, the clothing, the intercourse, and the whole life and state of mun, we may begin to form some idea of the effect that is to be produced within the next fifty and, in a great measure, in our own generation, upon 400,000,000 ple. As the facility of distribution increases in China, by the intro-

duction of mechanical appliances of civilisation, her demands upon us and our manufactures will be augmented a thousandfold, and stimulate us to

duction of mechanical appliances of civilisation, her demands upon us and our manufactures will be augmented a thousandfold, and stimulate us to greater production than we have ever before dreamed of.

We append the following extract from the Monthly Report of the eminent shipowners, Messrs. W. S. Lindsay and Co.:—

"It would appear that we cannot expect any material rise in return freights for some time to come; but as very large shipments must be middle to India during the course of the next six puts as very large shipments must be middle to India during the course of the next six, there can hardly fail to be a very considerable advance in outward freights. The new India Board have, we understand, resolved to presecute the construction of railways in India with great vigour; and no less than eight railway companios will shortly be in the market requiring tonnage to a very considerable extent to Bombay, Madras, and Calcutta. Vary extensive shipments of stores must also be made for the use of the great number of European troops now in India; and all those shipments, combined with the enormous increase in the consumption of coals, must cre long have a marked effect on the rates of outward freights. The atmusic consumption of the of one steam company atone, trading with the East, has increased from 300,000 tons to 300,000 tons per annum. A satisfactory peace has now been concluded with China, which, although the beneficial results to commerce will not be so sudden and so great as many are led to suppose, must ultimately oreate an increase in the demand for shipping; and, as the nature of that treaty will require the presence of our own fleet and that of France for some time in the China seas, an increased demand for casis of their time must arise. All of these reasons, and others which we might name, when taken into consideration with the fact that the carrying trade of this country, and of the whole world, is not only steadily, but rapidly, becoming larger, while shipping, as a whole, during the last tweelve mou

THE NORTHERN COLLIERS AND THEIR EMPLOYERS.

THE PROPOSED MINING COLLEGE.

During the last week Hetton Hall was the scene of unusual festivities aid the display of good feeling existing between the colliers and their em ployers in that quarter forms a pleasing contrast to the unsatisfactory pro ceedings in other colliery districts. In our last Journal we briefly referred to the great gathering, which will doubtless be productive of lasting good to the workmen and their children, and tend to increase their effection to the workmen and their children, and tend to Increase their affection towards their employers; we return to the subject, to make known the feeling of the men themselves with regard to the question of education. The object of the meeting was professedly to assist in laying the foundation stone of a new school in the vicinity of one of the pits belonging to the Hetton Colliery Company, but the meeting was made the melium for demonstrating the desire of the colliery proprietors to elevate the social position, and the desire of the workmen to avail themselves of whatever facilities for improvement may be offered them. Mr. T. Shield, on behalf of himself and fellow-workmen, presented an appropriate and feeling address to the proprietors, expressing their gratitude for the attention paid to their confort, and the comfort and education of their children, by the address to the proprietors, expressing their grantime for the attention pain to their confort, and the comfort and education of their children, by the coal owners; and the address was acknowledged in a very complimentary reply by Mr. Burrelf, the chairman of the company. He "expressed, on behalf of himself and copartners, to the deputation and to the workmen in general, their heartfelt thanks for the very flattering address which they had presented to them, and for the friendly sentiments therein conveyed. He could assure them their sentiments would be cordially reciprocated on the part of the express, and he trusted that such feedings would tend as he the could assure them their sentiments would be coronally recipiosated on the part of the owners, and he trusted that such feelings would tend, as he did not doubt they would, to their mutual comfort, happiness, and prosperity.\(^{1}\)

The most marked expression of feeling, however, was contained in the address to Mr. Nicholas Wood from the workmen, presented by Mr. George Clause, the contribution of their markets.\(^{1}\)

The most marked expression of feeling, however, was contained in the address to Mr. Nicholas Wood from the workmen, presented by Mr. George Cleugh, one of their number. It states that—

The special thanks of the workmen are most cordially tendered towards Mr. N. Wood, as being instrumental in laying before the Hetton Company from time to time the requirements of the various denominations, and for having performed his share to the satisfaction of all parties. For many years, and ever since he commenced in the mining business, Mr. Wood has paid the greatest attention to the comforts and interests of his workmen, as well as to the subject of education generally. His educational career commenced by the building of schools at Killingworth, where he received universal esteem and approbation; and I can testify that every grown-up individual in that neighbourhood felt for many years (and I am assured feels yet) the great good which he had rendered to them. Among other works of the greatest usefulness, Mr. Wood liberally and unhesitatingly built schools at Scatomburn, and at present schools are about being constructed at Black Boy; at each place the cost being solely defrayed by himself. It will be remembered, I have no doubt, by many that Mr. Wood a few years ago was intimately connected with the great George Stephenson, and that the former then wrote an excellent. Treatise on Railroads, (which has been translated into several languages), clearly indicating the advantages which would ultimately accrue to every individual department; for almost every none present will be aware that, for many years, he has been carnestly and unremultingly exerting himself to secure a early as possible the establishment of a Mistica College at Newsastie, which, as the name implies, will be for the benefit and instruction of miners; for any overson, or other such workman, would have the opportunity and great privilege of sending his son or sons thither to be educated, so as to become thoroughly acquainted with what is confonced with mining

In reply, Mr. Wood thanked them for the expression contained in the address, and remarked that he had in the early part of his career bee strongly and deeply impressed with the great benefits which he felt would arise in promoting the education of the rising generation, and subsequent observation and experience during long and extensive connections with and considerations of all the phases of collery management, had confirmed him in the conclusion that what he then adopted was of the utmost imhim in the conclusion that what he then adopted was of the utmost importance to the welfare, comfort, and happiness of the colliery workmen, and they might rest assured, with such deep-rooted convictions, he would not now relax his efforts to promote such a lawdable object. From this it may be anticipated that the Mining College will no longer be permitted to remain in abeyance, as it is now evident that in the North of England an educational establishment would not be opposed by the working men in the manner which has already destroyed an institution which would ultias the most sanguine could expect from the extension of practical scientific knowledge. mately have been productive of as much benefit to the miners of Cornwall

REPORT FROM NORTHUMBERLAND AND DURHAM.

Ост. 14.-We have nothing new to report respecting the Coal and fron Trades here; the prospect generally speaking is encouraging, still many collieries are doing but little business.

A number of men have received notice lately to leave the Tyne Mair Colliery, as it is intended to the the colling of the colli A number of men have received notice to leave the Hebburn Colliery, the work men have also received notice to leave the Hebburn Colliery, the work ing of that colliery being still much obstructed by water; they

ing of that colliery being still much obstructed by water; they have, nowever, commenced to erect the large winding-engine there, which it is
expected will relieve them in that respect.

The Heworth Colliery is now about full with new hands; a few of the
old hands still linger about, and they have offered this week to go in at
the old prices, but they will scarcely be allowed now to do so.

In referring again to the paper of Mr. Wales, read last week before the
Northern Institute of Mining Engineers, we may remark, in the first
elect that it is expected. rthern Institute of Mining Engineers, we may remark, in the first co, that it is rather difficult to give a written account of those modifi-tions in the mode of ventilating whole and pillar workings without a aid of diagrams. We would, therefore, recommend all who have the aid of diagrams. the opportunity to examine those diagrams, as copies of them will be published in the *Transactions* of the Institute. We shall, however, make the subject as plain as possible. The first method shown of ventilating a panel where the whole workings are proceeding, and the pillars are being taken off behind, is this.—The air is carried up to the face of the work-ing, and along the face of the whole, by means of board stoppings, an afterwards is brought through the breken workings. Now, when this is afterwards is brought through the broken workings. Now, when this is the system employed doors are placed where the coals are taken out of the broken, and any derangement of those doors causes considerable danger of the gas rising up to the face, and coming in contact with the naked lights used in the whole. The text method shown is to split the air into two columns, and conveying one column through the whole work-ings and the other through the broken. Here there are no doors to fear. But still presuming that any obstruction should take place in the whole But still presuming that any obstruction should take place in the whole air-way, a possibility exists of the gas backing up to the whole as before and thus causing danger. The next nethod shown is to convey the air one column to the whole face first, and when it reaches the extremity of the whole, it is conveyed back along the headways, or coursed head-ways-way until it arrives at the broken, when it is taken along the edge of the goaf as before. By this grangement the air always presse towards the broken workings and goafs and in this case the doors are s placed at the entrance to the broken, that presuming them to be left open, the whole current of air passes to the end of the headway, on the upper side of the goaf, so that the ras is conveyed away by it, and cannot possibly go towards the whole vorkings, so that this plan has pe-

culiar advantages, which will be seen at once by a professe. Pitman. A good deal of discussion took place on the merits of those different modes of ventilation, which was very interesting, and let us hope will also prove useful. Diagrams showing other modifications were also exhibited. Perhaps the best method of all is to push the whole workings forward, so as to leave a barrier between the whole and broken workings, which gives still further security from danger of the open lights coming in contact with gar. The inquest on the sufferers at the Page Bank Colliery was opened again vesterday, and the evidence of several gentlemen taken, including the

The inquest on the sufferers at the Page Bank Colliery was opened again yesterday, and the evidence of several gentlemen taken, including that of the viewer of the colliery, Mr. Johnson. It would appear from the evidence given that the fire had originated either from a spark from a torch used in the shaft, or a spark from the furnace at the bottom of the shaft. Whatever was the cause of the origin of the fire, it is clear that the blower of gas which existed in the shaft was the main cause of the extent of the catastrophe. It is evident that, on the whole, the shaft was a dangerous one, and it must be observed that it was tubbed with plank tubbing, and filled with brattlees, so that it was almost entirely a wooden shaft. one, and it must be observed that it was tubbed with plank tubbing, and filled with brattices, so that it was almost entirely a wooden shaft. It may, we think, be reasonably doubted whether this plank tubbing is sufficient to confine such a subtle fluid as explosive gas, so as to make such a shaft safe. Metal tubbing with iron pipes inserted for the conveyance of the gas to the surface would certainly have done so. Still single shaft brattices must always be objectionable. It is certainly not too much to say that all collieries ought to be provided with two distinct shafts, in order that they may be protracty and safely ventilated; and we would also observe that where Heries ought to be provided with two distinct shafts, in order that they may be properly and safely ventilated; and we would also observe that where brattices do exist, machine ventilation would be much safer than that by the furnace, and, pertsays, quite as efficient. It will be seen by the evidence that Mr. Atkinson, the Government Inspector, visited this colliery in July last, when the viewer proposed to drive a drift for the purpose of effecting a distinct upcast, which plan was approved of by Mr. Atkinson. The inquest was again adjourned.

effecting a distinct upcast, which plan was approved of by Mr. Atkinson. The inquest was again adjourned.

We perceive that our remarks respecting the Farnacres coal field has given offence to your correspondent "S. A." He asserts that the statement we made is "partial and incorrect, and calculated to lead toerroneous conclusions." We shall prove the contrary, however, and also point out many gross errors made by "S. A." in his letter. Our statement was, if partial at all, two favourably coloured. He, "S. A.," begins by stating that I intimate that the coal strata are much disturbed by dislocations, and proceeds to reply, by stating that "the Farnacres Pit was sunk between the two dykes, and that those dykes were the chief obstacles met with, beyond the presence of small britches, common to all seams of a similar position and character." Very well, those dykes are a part of the dislocations alluded to by me. But "S. A." is quite incorrect when he sstates that those are the chief obstacles met with. Those things he calls small hitches, are formidable troubles, I call nips. (I am speaking paranet) in Mrs. Bower's new joil. states that those are the chief obstacles met with. Those things he calls small hitches, are formidable troubles, I call nips. (I am speaking particularly now of the Brockville seam, both in Messrs. Bowe's new pit, and also to the south of the old Farnacres Pit). These nips are patches of hard stone that descend into the seam, and generally to the thill, or nearly so, and there is generally a great deal of bad coal on both sides o those nips; so that very great expense is incurred in getting through those obstructions, and the coal seam is seriously deteriorated. This seam also abounds in swellies, or small basins; when the water is troublesome it has to be taken out in tubs. This is one of the defects of the seams here; you have scarcely any decided rise in any one direction, but the seams present abounds in swellies, or small basins; when the water is troublesome it has to be taken out in tubs. This is one of the defects of the seams here; you have scarcely any decided rise in any one direction, but the seams present those small basins. And it is a curious fact that the coal is thickest at the bottom of those basins, and thinnest at the edge of them; but the increase in the thickness of the coal is always an addition of coarse coal at the bottom of the seam, the good coal remaining about a uniform thickness throughout.

"S.A." does not done that focuset blowers of most respectively.

at the bottom of the seam, the good coal remaining about a uniform thickness throughout.

"S. A." does not deny that frequent blowers of gas are met with, but says that the mention of them is only intended to intimidate the nervous (people of weak nerves?) The mention of them is not intended to intimidate at all, it is merely the notice of a remarkable fact connected with the locality. But, in addition to this, other faults exist, and of a serious kind, too. The company we mentioned, formerly John Bowes, Esq., explored a considerable distance to the south—not a trilling distance, as stated by "S. A.;" and with respect to this firm relinquishing the enterprise in the new pit to the north, the reason was exactly what we stated—there was a difference between the cost of working the coal and the price it was sold for on the nerong side. "S. A." states also that it is not true that much water is met with, and gives the quantity they have at present. But we reply that this is mere sophistry. All the parties who have worked any recognized more handslie seam on the royalty have han to deal with considerable feeders of water; and this rule will, we doubt not, hose good. "S. A." next states that we draw an unjust comparison between the positions of the Elswick and Farnacres Collieries. But if he refers to our remarks he will perceive that we make no comparison at all; we merely state that the former intend to work the coal in the royalty adjoining the latter (in the Redhugh estate, of course), and that they have not as yet made such progress in that direction as to enlighten us much as to the state the seams will be found in.

The Page Bank Colliery Catastrophie.—After the ordinary evi-

THE PAGE BANK COLLIERY CATASTROPHE.—After the ordinary evi-THE PAGE BANK COLLIERY CATASTROPHE.—After the ordinary evience was concluded, Mr. J. J. Atkinson, the Government Inspector, was examined as
o the cause of the accident. He did not think that there was any one to blame for the
ceident, and he considered that the general arrangements of the colliery were proper and
difficient. The coroner summed up at great length, and the lury, after about an hour's
obsultation, returned the following verdict:—The jury are of opinion that the brattile
o attendance to show. They are further of opinion that the whole of the men, save Kellet, dier's
own fear and suffocation, arising from the fire in the shaft; Kellet being killed by falling down the pit; and, further, they are of opinion that no blame can be attached to any
crson whatever. They, therefore, give a unanimous verdict of 'Accidental Death.'"

REPORT FROM MONMOUTHSHIRE AND SOUTH WALES.

Oct. 14.-The Iron and Coal Trades throughout the district continue to show more activity, in Glamorganshire especially a larger demand being experienced. We hear of several good orders being in hand from America, while the continental trade seems to be reviving to some extent. In Monmouthshire business is rather more quiet, but still the works are kept going much better than for months past. Few complaints are now made of scarcity of water, and in all respects affairs have taken a decided change

of scarcity of water, and in all respects affairs have taken a decided change for the better. The enquiry for railway iron is good, and pigs meet a fair sale at the prices now generally current. The steam coal trade is rather dull, and has but little altered since our last.

The remarks recently made in the Journal relative to the large number of accidents which have latterly taken place in South Wales, are fully substantiated by the report of the Government Inspector. The late Mr. H. Mackworth stated that during 1857 more of these catastrophes in mines occurred than in any of the preceding six years, with one exception. The Mackworth stated that during 1857 more of these catastropies in mines occurred than in any of the preceding six years, with one exception. The total number of lives lost in 1857 was 85; in 1856, 65. On the other hand, Mr. Evans, Inspector for Glamorganshire, reports that although mining operations are carried on to a much larger extent in this district than formerly, fewer fatal accidents occur. At the same time the number of deaths was 94, against 224 in the preceding year. We hope that in both districts these figures will be greatly reduced, and have no doubt that both Mr. Brough and Mr. Evans will use the greatest watchfulness, in order to

tricts these figures will be greatly reduced, and have no doubt that both Mr. Brough and Mr. Evans will use the greatest watchfulness, in order to bring about this result.

Mr. Bruce, M.P. for Merthyr, addressed his constituents in a speech of considerable length last week. It will be remembered that at the time of the Aberdare strike this gentleman did his utmost to induce the colliers to return to their work, though, unfortunately, his efforts were unavailing. He thus alluded to the subject last week:—

The general aspect of trade is good and sound, but I am sorry to say I cannot congratulate my neighbours upon any decided improvement in their position. Certainly one subject for congratulation was the conduct of the Merthy workmen during the trying times they had passed through. I wish I could say as much for my friends at Aberdare. I believe they saw the difficulties and dangers which threatened their employers, and were anxious to do that which was moderate. There was a large number there who would readily have acted as the men of Merthyr did, admitted that the circumstances were trying and pressing, and have accepted the reduction. They were, however, mislead. They would not listen to the arguments brought forward, and a strike ensued, which, at the lowest calculation, led to a loss of 50,000. Nor did the evil rest there; not simply did they lose 50,000. repiping the resources of their masters, and preventing them laying out fresh capital, but the effect has been to divert the trade from Cardiff to other parts. It so happened that at the time the masters in the North were pressing on the public the quality of their coal, and the consequence have been that many of the largest consumers of this district left here, and have not yet returned. This is one reason why wages are at present so low. Much as I regretted the conduct of the Aberdare workmen, that of the men of Merthyr commands my unqualified approbation. They excepted a very large reduction in their wages, which must have pressed very heavily upon them

ese observations were received with loud cheers by the large audience,

And Mr. Brace then passed on to review political matters.

Recently considerable rejoicing took place on the occasion of Mr. Jones,

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Newport, "winning" the celebrated No. 3 seam of coal under the cellbyzon estate. The mineral is of good thickness, and it is the first

of Newport, "winning" the celebrated No. 3 seam of coal under the fellygron estate. The mineral is of good thickness, and it is the first voin opened in the valley.

An inquest has been held at Lianelly on the body of Thomas Thomas, who was killed a few days back. The deceased was driving a horse drawing three wagons laden with coals from the Bryn Colliery, on the St. David's Railway, to the Lianelly Docks, when in passing from one wagon on onther to block the wheels, he fell, and was jambed to death. An ordinary verdict was returned. The brother of the deceased was killed last mouth in the engine-room of the Gelly Colliery.

A considerable improvement has been made in the slate quarry near festiniog, North Wales, belonging to Mr. S. Holland. It is worked through different levels into the inside of the mountain, to the distance of more than 1000 feet. No daylight can enter these excavations, the workmen having hitherto used candles. The proprietor, however, has recently had the quarry fitted up with gas; and he states that the workmen are all greatly delighted with the change. They get through their labour now with much more ease to themselves and profit to their master than they could under the old system. We shall be surprised if the owners of other Welsh quarries do not soon follow so excellent an example.

One day last week, as a miner living at Abergwilly was working in the Vale of Towy lead mines, a slip of earth fell upon him, fracturing his leg, dislocating his shoulder, and bruising him in several parts of the body. The unfortunate man had only just recovered from injuries received in the same mine some time since

Another accident through a fall of roofing recently occurred at Blaina.

The unfortunate man had only just recovered from injuries received in the man mine some time since

Another accident through a fall of roofing recently occurred at Blaina, man named Thomas Robinson was at work in the Upper Deep Pituting Mine when a large piece fell on him and inflicted serious injuries bout the head and other portions of the body. He still lingers, but is not

Cutting Mine when a large piece fell on him and inflicted serious injuries about the head and other portions of the body. He still lingers, but is not expected to recover.

At the Bristol Mining School, on Monday, Professor Tennant, F.G.S., delivered a lecture on "Mineralogy." The lecturer alluded to the loss sustained by the death of Mr. H. Mackworth, and referred to the large mineral possessions of England yet to be developed. He pointed out the use of the science of mineralogy in leading to further discoveries, and urged its study upon his hearers. After the lecture a vote of thanks was carried, and Professor Tennant, in responding, again referred to Mr. Mackworth as one of his early pupils at King's College, but latterly he became more learned than his master. It was in fulfilment of a promise made to him that he delivered the lecture that day, and it was a tribute to his memory. On Tuesday a lad named James Butcher, in the employ of the Messrs. Bailey, was killed at the Main level, Brymawr. The deceased ordinarily worked with his father as a collier, but on the day in question he was asked to act as a haulier, and did so. Not being accustomed to the work he was accidentally crushed to death between the loaded trams which he was bringing out of the level.

In another column a full report is given of the fearful accident in the Primrose Colliery, near Neath, by which 14 lives were lost.

The Rhymney Railway to Cardiff we learn to be a very promising line, the traffic developed from week to week giving assurance that it will vie with its ally, the Taff Vale, and that very shortly, in the amount of dividend to its shareholders. It is already in advance of the Vale of Neath line, on a comparison with the amount of capital. It was constructed for a mineral line, but by the report of the directors the coal traffic (for which the undertaking was in the main projected) up to June 30 last could not be said to exist, as the coal proprietors had not been able to mature their arrangements; yet the revenue for the three

derived almost exclusively from passengers, general goods, and iron; and these, therefore, indicated but to a very limited extent the resources of the undertaking. A decided preference seems to be given to this line by passengers, and for the transit of goods to the Midland Counties and the North (being one continuous guage), while by the South Wales line a break of guage would have to be encountered; and the directors in their report are well justified in their belief that the passenger and general goods traffic will prove a more important source of revenue than they anticipated; and since the half-yearly meeting we learn there has been in this department of the traffic a prodigious increase, more especially in the number of passengers along the valley, as well as through passengers to Shrewsbury, Chester, Liverpool, and the North; while to the Midland Counties, Manchester, Leeds, and the adjacent manufacturing towns, the communication has become direct and easy since the opening, in September last, of the Shrewsbury and Crewe (London and North-Western) Branch Railway; and the Rhymney line is, therefore, preferred to the broad guage from Cardiff. The most important and primary source of traffic is only about to commence—the coal trade; and if we may judge from the number of new pits opened along the line, what is in contemplation to be carried out by the Rhymney Iron and Coal Company in furtherance of the arrangement they have recently come to at the Cardiff Docks with the trustees of the Marquis of Bute, and the present prospects of the iron and coal trade, the shareholders will have reason ere long to congratulate each other upon the success of this enterprise. each other upon the success of this enterprise.

THE NEW IRON DISTRICT IN SOUTH WALES.

THE IRON AND METAL TRADES OF STAFFORDSHIRE. [FROM OUR CORRESPONDENT AT WOLVERHAMPTON.]

Oct. 14.—The quarterly meetings in connection with the Iron Trade have been held during the week, at Walsall, on Tuesday; in this town on Wednesday, and Birmingham to-day; the meeting at Stourbridge taking place to-morrow, and the concluding meeting at Dudley on Satur-The attendance at the meetings has been about the average, a fair number of purchasers from a distance being present yesterday, and at Birmingham to-day. The general testimony is that the trade has taken a distinct turn for the better, and that future prospects are encouraging. No idea is entertained of making any advance upon present prices during the current quarter; but it is anticipated that the demand in spring will warrant a rise next quarter-day. There is no doubt much more manufactured iron is being made in this district than at the commencement of the quarter, although there are still several large works by no means busy. The great drawback upon the improvement of trade hitherto has been the absence of a large demand for the United States. It cannot be said that the demand for the quarter is yet large, but number of purchasers from a distance being present yesterday, and at hitherto has been the absence of a large demand for the United States. If cannot be said that the demand for the quarter is yet large, but there are more orders, and those who depend largely upon that market are more hopeful. On the whole, the tone of the meetings is more cheerful; the improvement is not extensive, but it is decided, and has continued long enough to be looked upon as indicating that the period of ion is passing away, and that a brighter day is dawning upon

Pig-iron is decidedly firmer. Purchasers are very desirous of buying on Fig-iron is decidedly inner. Partenasers are very desired so to high on terms which they refused a few weeks ago. An advance of 2s. 6d., or nearly that, may be said to be obtained, although the purchases actually taking place are not extensive. Pig-iron may be quoted at 3l. 10s. to 3l. 12s. 6d. for good qualities of hot-blast pigs. 3l. 15s. having been obtained in some few cases. Inferior pigs fetch about 3l. 5s. The ironstone of the district maintains a good price, the best qualities being 14s. to 16s. per ton. The calcined ore of North Staffordshire is delivered into the district of few 15s. 6d. for good qualities, and the red hematics per ton. The calcined ore of North Staffordshire is delivered into the district at from 15s. 6d. to 16s. 6d. for good qualities, and the red hematite of Cumberland, of which a good deal is being sold, fetches 21s. or 22s. per ton. The colliers' strike necessarily tends to keep up the price of coal. New mine and bottom coal for use at the furnaces is from 7s. to 8s.; thick

coal, 10s. to 11s.; and slack, 2s. 6d. per ton.

In North Staffordshire the manufacturers are busier than in this district.

The preliminary meeting of ironmasters was held last week. No altera-

tion was made in prices. The trade was reported to be improving; and the control of the control

the strike in the thick coal district. Possibly another week may determine the course of the struggle.

Several fatal accidents have occurred during the week from the fall of the roofs of coal and ironstone mines; this being the great source of fatality in this district, where the strata are so greatly shattered by dislocation. In two cases the unfortunate men who lost their lives had been warned by the doggies to prop the roof, which they had neglected to do. A very large proportion of these fatal accidents arise from the men's own carelessness.

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE

Oct. 14.—The holding of the quarterly meeting this week has shown the trade to be in a more healthful position than it was a month ago, though it was generally regarded as quiet. There is almost an entire absence of

the trade to be in a more healthful position than it was a month ago, though it was generally regarded as quiet. There is almost an entire absence of speculation at present, and probably will remain so until the close of the quarterly meetings. The orders from the Continent have been but few, and of limited extent, as are also those from America. There is less underselling, and the principal houses in these counties are well employed. The Coal Trade is improving, and the winter trade increasing daily. The strike of colliers in Yorkshire has assumed a serious aspect, there being no less than between two and three thousand men out of work and on strike. Several meetings have been held, during the week, by the men, who have refused to submit to a reduction of 15 per cent. The men have issued a report, stating their reasons for striking work, and the different questions in dispute. On Wednesday, at a meeting of the colliers of the Leeds and Methley district, the speakers urged the men to adhere firmly to their resolution not to return to their work unless their employers abandoned the attempt to reduce their wages 15 per cent., and to compel them to sign a paper not to combine together on a future occasion. The conduct of the coalmasters was wholly condemned, and a confident opinion was expressed that if the facts were investigated the public sympathy would be with the colliers. [This subject is fully referred to in another column.] The Revs. J. Bell and J. H. Longsdon, and Mr. Lloyd Jones addressed the meeting, and recommended arbitration for the settlement of disputes.

The following resolution was unanimously adopted by the meeting;—
"That we are open to appoint a committee to meet our employers, in order to endeavour to bring about an honourable and amicable arrangement, and at the same time to propose that the proprietors should select six, and the men six, disinterested gentlemen to take the case into arbitration; and that a reporter be permitted to attend to take notes of the proceedings; and we likewise req

well, and the Rev. J. H. Longsdon, of Seacroit, to use their induence in bringing the same about."

A resolution was also agreed to urging that miners should unite for the purpose of raising funds to provide for their sick, infirm, and aged brethren, and to pension the widows of deceased colliers.

The lead mines of Derbyshire are making good progress, and at the present time several of the new mines promise to be highly remunerative. The Cowden Rake Mining Company have made a call of 5s. per share. The company are making good progress with their new shaft.

The yield of the Eyam Mine has not been so much of late, but the company are anticipating getting into a better work.

The Mill Town Mine, at Ashover, is improving, and the next measure is likely to be much larger than the last. The workings are looking well. The Mill Dam Mine continues about the same as reported last week. The New Midland Mine, at Ashover, is reported as looking better, and the manager speaks with greater confidence of its ultimate success.

A considerable improvement has taken place in North Derbyshire shares, and the proprietors seem to be more confident in the prospects of the undertaking as the engine-works progress towards completion, so as to enable the miners to recommence operations.

able the miners to recommence operations.

The Peak Forest Mine shares have been sold this week at 25s. prem.

OVERLAND TELEGRAPH TO NEW YORK .- The check which has been experienced in the permanent establishment of a submarine telegraphic communication between this country and the United States has occasioned the suspension of introduction, if not total abandonment, of several projects which were in course of organisation for the laying down of lines of electric wire, at other points in the United Kingdom and on the other side of the Atlantic; but while discouragement has been thus given to submerged lines, the minds of enterprising men have been at work to obviate the difficulties which the sea, for such an extreme length and of such vast depth, apparently presents, and we have have reason to beneve that at the necessary steps have been taken to establish an overland telegraphic communication between London and New York. This is proposed to be effected through Russia. The concession from the Government of that country has, we are assured, been obtained, and with this support, it is said, the construction of the line will be easy, and comparatively cheap. The existing wires in this country, on the Continent, and in the United States, will necessarily be made available, and the only additional lines will be those to connect the nearest point in the Russian additional lines will be those to connect the nearest point in the Russian dominions with those which exist between San Francisco, in California, and New York. At first it appears that the project is one of gigantic conception, and of almost insurmountable difficulty in construction and maintenance; but when it is borne in mind the extent to which electric agency has been established on both sides, there does not seem to be any real obstacle in the way of the accomplishment of an object fraught with so much use and advantage to all the countries identified, and which, in fact, would be the whole continent of Europe, in addition to Great Britan and the whole of the United States. There is certainly nothing that the energy and perseverance of Englishmen cannot overcome, if there be good faith and liberality on the part of those territories, over which the wires must pass, in this grand scheme to connect the New and the Old World by overland telegraphic intercourse. The failure of one plan often leads to the successful establishment of another; but we trust this will not be additional lines will be those to connect the nearest point in the Russia by overland telegraphic intercourse. The failure of one plan often leads to the successful establishment of another; but we trust this will not be wholly the case in respect to telegraphic communication between England

On Wednesday, the lecture by Dr. Perret was on the "Properties of Metals," being a continuation of the introductory discourse previously delivered. He would now come to the colour and lustre of metals. The principal of these was white, as silver; the next was a silvery-white, then blue and grey, as was the case with arsenic; a greyish-white to blue, as lead and zine. Others had a yellowish-white hue, with a reddish tinge; and there were some metals which were essentially gray—among these he might menition that which was so well-known under the denomination of grey pig-iron; then they had yellow, such as gold and brass; red was the characteristic hue of copper; and there the old alchemists regulate of Yesua, which denomination he present, the was called by it will be the come of the present of the property of the scale of the come is an an an analysis of the combination of a metal with caygen is the old alchemists regulate of Yesua, which denomination he sall untells more release on the companies of the companie

The Cyffing Colliery, Ystaltfera, near Swansea.—It will be recollected that an explosion took place in this colliery about the middle of August last, by which six men were killed. In his evidence at the inquest, Mr. Evans, Her Majesty's Inspector for the district, stated that the accident arose in consequence of defective ventilation, and is reported to have severely condemned the ventilation and general management of the colliery. Since that period the owners have engaged the services of Mr. Thomas Shipley, an experienced and highly competent overman, well versed in the most improved modes of ventilation. Under his direction new airways have been driven and an efficient furnace has been constructed. The air has been judiciously split, and increased from 1600 to 20,000 cubic feet per minute, and thus rendered one of the most dangerous collieries one of the safest in the district, and that, too, at a comparatively small cost. Had this mine, with its defective ventilation and management, been inspected before instead of after the accident, the occurrence of the explosion would most probably have been prevented.

To Colliery Owners and Managers—Importance of Working

most probably have been prevented.

To Colliery Owners and Managers—Importance of Working Coal Mines with Good Safety-Lards.—About a year ago we called attention to an outburst of gas that occurred at the Oaks Colliery, and stated the opinion of the viewer hat, if naked lights had been used, or if the safety-lamps had been out of order, or the return air had passed over the furnace, an explosion must have ensured. We have now to record a similar event, which took place at the Lund Hill Colliery, a few days ago. About one o'clock in the morning of September 28, a fail of roof in one of the "foliuving-up banks," on the south side of the pit, occasioned the issue of a quantity of gas, so large as to render the air in that district explosive, far five hours. The fall might have occurred during working hours, when the presence of a naked light must have occasioned a terrific explosion, and it is more than probable that if the gas had not passed into the upcast-shaft through the "damb drift," it would have ignited at the furnace. These alreg quantities of gas evolved,—in one case from the roof, in the other from the floor of the coal,—show most forcibly the risk to human life that must be incurred in permitting the return air from a flery mine to come in contact with naked lights of any docrpition. We understand that Stephenson's lamps are exclusively used at this colliery; they possess a considerable advantage over the Davy, as they are extinguished by a large quantity of explosive gas, so that it is impossible the gauze can become red hot, which will happen with the Davy lamp, and serious accidents are known to have occurred in consequence of the lamp baving become too hot to hold, and the man using it having dropped it, or thrown it down, the fiame has passed through the heatest canze, and an explosion ensued. It may not be generally known that, although the wick of a Davy lamp be drawn down within the tube, whilst the lamp is fall of gas in a state of ignition, yet frequently the fiame is not extinguished, the ga

NEGLECT OF COLLIERY REGULATIONS .- On Monday, at the Town Hall. NEGLECT OF COLLIERY REGULATIONS.—On Monday, at the Town Hall, Little Bolton, Mr. Joseph Jackson, colliery surveyor and manager to Mr. James Hardcastle, of Firwood, was summoned by Mr. Dickinson, Government Inspector for the district, for neglecting to comply with the statute 18 and 19 Victoria, which requires fram in the event of any fatul accident in a coal mine the proprietor or manager shall for ward a report of the same to the Home Secretary, and another to the Inspector of the district. On Sept. 17 a man was killed in the Roadside Pit, Breightmut, belonging to Mr. Hardcastle, and no report reached either the Home-office or Mr. Dickinson, the inspector.—M. Jackson, in his desence, stated that he was from home at the time, and Mr. Hardcastle explained, that being confined to the house when the accident occurred, a cterk from the works informed him of what had taken place. He at once directed the clerk for not the vorks informed him of what had taken place. He at once directed the clerk to assist him if necessary. Those directions were given, and it did not appear to him to be proved that the reports were not sent.—Mr. Richardson, who appeared for Mr. Dickinson, and that if the reports were sent it was for Mr. Jackson to prove the fact, which would be a sufficient answer to the charge.—The magistrates indicted a pensity of 10t, and coats; and, by direction of the Secretary of State, the whole pessalty was ordered to be given to the widow of the man who was killed, she being left with six children.—Manchester Guardian.

SILVER AND SILVER-PLATED ARTICLES.—The readiest mode of cleanthese articles is to wipe them over with a weak solution of liquid ammonia. This olliy removes the suiphide, and no rubbing, or scurcely any, is required. The same and will be found useful in cleaning gold chains find jewell ery.

WATER WORKS—CONTRACT NO. 1.

TO IRONFOUNDERS AND OTHERS.—PERSONS WILLING to CONTRACT for SUPPLYING the Local Board of Health for the district or Wallasov, in the country of Chester, with about ONE THOUSAND TONS of CAST-IRON PIPES and OTHER CASTINGS, may obtain, at the office of the said Local Board, or at the office of T. K. Hassall, solicitor, 3, Old Churchyard, Liverpool, a copy of the specification, schedule, bill of quantities, and form of tender, upon the payment of £1 sterling, on and after the 11th instant.

Ith instant.

Any information required may be obtained from James T. Lea, surveyor to the Boar at the offices of Robert Rawlinson, C. E., 34, Parliament-street, Westminster. Tenders must be scaled and delivered at the Public Offices, Egremont, near Birket sad (law clerk's office), on or before the 25th day of October (inst., addressed to thairman of the Works and Health Committee, cadorsed "Tender for Cast-Trom Pipe c."—Egremont, October 9, 1858.

T. K. HASSALL, Clerk to the Local Board.

STEAM BOILER ASSURANCE COMPANY.

Provisionally registered, pursuant to 7 and 8 Vic., c. 110.

Capital £100,000, in 10,000 shares of £10 each. Deposit is, per share.

The total intended call is £2 per share-wix., £1 on allotment, and the further £1, if required, within twelve months.

And the liability of the shareholders will be limited by the policies.

The Most Noble the MARQUIS OF HARTINGTON.
JAMES ASPINALL TURNER, Esq., M.P.
TRUSTERS.

JAMES ASPINALL TURNER, Esq., B.P.
THOMAS BAZLEY, Esq., Manchester.
W. CUNLIPFE BROOKS, Esq., Banker, Manchester.
PROVISIONAL DIRECTORS.
(Selected from the general committee of management.)
BENJAMIN FOTHERGILL, Esq., C.E., Manchester.
J. CLARKSON KAY, Esq., Phomist Foundry, Bury, Lancashire.
WILLIAM McNAUGHT, Esq., Engineer, &c., Union Works, Rochdale.
RICHARD ROBERTS, Esq., C.E., Manchester.
With power to add to their number.)
BANERS—Nessrs. Cunlife, Brooks, and Co., Manchester.
Solicitors—Messrs. Sale, Worthington, and Shipman, Manchester.
BROKER—F. A Fynney, Esq., Queen's Chambers, Manchester.
LOFESSIONAL ACCOUNT ANTS—Messrs. Child, Fitzgeral, and Taylor, King-street,
Manchester.
COMB—C. H. Minchin, Esq., King-street, Manchester, Public Accountant; Cornel

Manchester.

Manchester.

Manchester, Public Accountant; Cornaliford, Jun., Esq., F.S.A., F.S.S., &c., 7, Bank-buildings, Lothbury, London

Secretaries—Mesers, Hannam and Cox.

TEMPORARY OFFICES,-29, CORPORATION-STREET, MANCHESTER.

TEMPORABY OVFICES,—99. CORPORATION-STREET, MANCHESTER.

This company has been established to extend the benefits of insurance operations, and to meet a recognised want of an important section of the community.

Although there have existed for two or three years local societies in Manchester and Bindsersfield working ostensibly for the "provention of steam-boiler explosions," it has long been felt that inspection without responsibility is a grave mistake, which the formation of this society will necessarily correct, whilst the extended area of operation will enable it to include the cost of insurance, with efficient inspection, in a rate scarcely exceeding the present charge for the latter only.

The provisional directors in issuing this, their share prospectus, beg to point out that few joint-stock companies contain within them so many elements of financial success. An insurance company of this kind not being liable to epidemics as in life, or to accumulation and proximity of risks as in fire insurance, with the additional advantage of such a supervision of risks as will tend to render them almost nominal, must necessarily pay its proprietors well, assuming their tables of rates to be calculated correctly, and a fair average of business being obtained. On the first point, it is very satisfactory to state that the calculations of their actuary, deduced from the statistics collected by him, and worked out on the theory of probabilities, and those separately made by one of the first practical engineers of the day, who has had peculiar facilities for noting their occurrences, differed only about 2s, per cent.; and on the second point, that owing to one or two sciencinic journals having noticed the formation of this society, they are already innundated with offers to assure the moment they are prepared to issue policies.

Under these circumstances, the directors feel warranted in expressing their conviction that an investment in the societies' shares must prove increasingly renunerative, and will eventually attain a

FORM OF APPLICATION FOR SHARES.

FORM OF APPLICATION FOR SHARES.

To the Provisional Directors of the Steam Boiler Assurance Company.

GENTLEMEN.—I request you will allot me shares in the Steam Boiler Assurance Company, and I hereby agree to accept the same, or any less number that may be allotted to me. I enclose the required deposit of is, per share thereon, and agree to pay 'the balance of 19s. per share on allotment, and to sign the Deed of Settlement when called upon to do so.

Residence

Profession or occupation

Signature

Date

PROSPECTUS OF

THE BRINSLEY HALL COLLIERY COMPANY (LIMITED)

THE BRINSLEY HALL COLLIERY COMPANY (LIMITED)

Completely registered.

Capital £25,000 (with power to increase to £30,000), in 2500 shares of £10 each.

Deposit, £2 10s, per share.

PROVISIONAL DIRECTORS.

THOMAS PERRY, Esq., Highfields Iron-Works, near Bilston, Staffordshire.

THOMAS JOSEPH PERRY, Esq., Highfields Iron-Works, near Bilston, Staffordshire.

BANKERS—The Derby and Derbyshire Banking Company, Derby.

BROKERS—Messrs, Alexander and Lindow, 21, Tokenhouse-yard, London.

ENGINEERS—Messrs. Woodhouse and Jeffock, Midland-road, Derbyshire.

STADING COMPSET—Thomas Bell, Esq., 3, King's Bench Walk, Temple, London.

SECRETARY AND MANAGER—Mr. John Shaw, College-place, Derby.

SECRETARY AND MANAGEM—Mr. John Shaw, College-place, Derby,
TEMPORARY OFFICE,—No. 2, COLLEGE-PLACE, DERBY.
This company is formed for the purpose of working and getting coal or other minerals
The locality in which the business is intended to be carried on is the Brinsley estate, it
the parish of Greasley, in the county of Nottingham, which is well situated in the firfamed valley of the Erewash, and lies contiguous to, and has a communication by mean
of branch lines already made with, the Erewash Valley Railway and the Cromford Casal
The situation is most convenient for bringing the minerals into the market, both by
rail and canal. The vend by rail is almost unlimited, the Erewash Valley branch being
in immediate connection with the main trunk lines of the Midland and Great Northern
Railways.

rail and canal. The vend by rail is amost unimited, the Erevand Agreat Northern Immediate connection with the main trunk lines of the Middand and Great Northern Railways.

There are also in close neighbourhood several large fron-works, the number and extent of which are yearly increasing.

The estate comprises about 400 acres, and is held under leases from the Earl of Mexborough; the trustees of Mr. James Christopher Royston and Mr. Christopher Royston. The terms of the respective leases are fair and reasonable, and the reserved and minimum rents are low.

The beds of coal and other minerals have been fully proved, and are considered to be of a more than ordinary valuable character, being without faults, and with little or no water to contend with.

The mines lie at a convenient depth, and may be easily worked; and the coal is of superior quality, both for house and furnace purposes.

The works have been commenced, and shafts have been partly sunk, and in a very short time, with a little further outlay, the upper beds of coal may be got, and the business carried on with a profit.

One of the most eminent firms of mining engineers in the Midland Counties have (without reference to the proposed association) failly examined and reported upon the undertaking, and their report is of the most satisfactory character.

The capital is to be £5,000, divided into £500 shares of £10 each, upon which a deposit of £2 los, per share shall be paid on the acceptance of the letters of allotment. Power will be taken to increase the capital to £3,000, with the assent of two-thirds in number and value of the proprietors specially convened.

The company is constituted within the provisions of the Limited Liability Acts.

As a commercial speciation, if is computed that if the undertaking be carried out on a scale at all commensurate with the value and extent of the minerais in lease, a large that all commensurate with the value and extent of the minerais in lease, a large that provide a convenient intervals.

Each application for sha

it's calculated that the works will be completed, and the mine will extend over two years from the commencement. The calls in respect of the shares will extend over that period at convenient intervals.

Each application for shares must be accompanied by a payment to the bankers of the company of 21 per share on the number of shares applied ior, and for which a voucher will be given. Should no allotment be made to the applicant, the money thus lodged with the bankers will be returned free of charge; if an allotment be made, it will be applied towards the deposit of £2 10s. per share then payable.

The present directors only hold office provisionally, and at the first general meeting an election of directors will be made. The qualification for the office of director will be the holding of 50 shares.

Applications for shares to be addressed to the provisional directors, at the temporary offices of the company, No. 2, College-place, Derby, in the accompanying form.

offices of the company, No. 7, College-place, Derby, in the accompanying form.

To the Provisional directors of the Brinsley Hall Colliery Company (Limited).

GENTLEMES,—Having paid into the hands of the Derby and Derbyshire Banking Company, the bankers named in your prospectors, £ to your credit, I request you will allot are shares of £10 each in the above-named company, and I hereby agree to accept such shares, or any less number that may be allotted to me, and to pay the calls

coppe such shades, and to execute the necessary deeds when required to d
I am, Gentlemen, your obscient servant,
Name (in full)
Residence (in full)
Place of business (if any)
Date

WEST END MINE AND QUARRY OFFICES, 10, REGENT STREET, S.W.
PALL MALL.

MESSRS. BRUNTON AND CO., ENGINEERS AND MINERAL
AURYPEYORS, undertake the MANAGEMENT and WORKING OF MINES. MESSRS. BRUNTON AND CO., ENGINEERS AND MINERAL SURVEYORS, undertake the MANAGEMENT and WORKING OF MINES, QUARRIGE, &c., and CONDUCT the LONDON AGENCY of all MINERAL PROPERTIES in their offices with system, economy, and regularity.

Messrs. Brugeros and Co. beg to inform proprietors of mines, &c., that the basiness of these properties is carried on in their office upon the following principles, viz.:—

Accounts systematically and closely made up.

Statements in detail, and clear summaries of finance and expenditure.

Entire and impartial openness of books, reports, and documents, to all shareholders, for perusal or extract.

Immediate communication of any important occurrence to the contract of the contract of

per perusal or extract.

Immediate communication of any important occurrence to the shareholders.

MINERAL PROPERTIES SURVEYED, and ESTIMATES OF MACHINERY,
PLANT, and COSTS OF WORKING FURNISHED.

UNITED STATES OF AMERICA.—DUPEE, BECK, and SAYLES, BOSTON, MASSACHUSETTS, BROKERS for the PURCHASE and SALE of STATE, CITY, and RAILEOAD SECURITIES, MANUFACTURING, and BANK SHARES, give particular attention to the MINING COMPANIES OF LAKE SUPERIOR, and durnish reliable information concerning them. furnish reliable information concerning them.

BECK, and SATLES refer to the Editor of the Mining Journal.

WALLASEY LOCAL BOARD OF HEALTH. TO IRONMASTERS.—The ADVERTISER, who has had many water works—contract No. 1. years' practical experient IANAGER. He is thoroughly oke and charcoal iron, sheet-iro

TO IRONMASTERS.—WANTED, a SITUATION, by a PRACTICAL MAN, as a BLAST FURNACE MANAGER. He has had upwards of 20 years' experience in the management of all the requisite branches of smelling angillaceous, enclavenes, earbonaceous, hematite, and siliceous ironstone with raw coal and coke, to foundry and forge pig-iron, with hot and cold blast, and would also undertake to susperistend the erection of blast furnaces and all machinery and appurtenances connected, also supply plans of the same, if required, on the most improved principle that is yet discovered, capable to turn out from 20 to 300 tons and upwards of pig-iron weekly from one furnace. Would have no objection to go abroad. Unexceptional testimonials can be produced.—Apply to "B. C.," Mining Journal office, 28, Flest-street, London, E.C.

NORTH RHINE COPPER MINING COMPANY OF SOUTH AUSTRALIA (LIMITED).—NOTICE IS HEREBY GIVEN, that the CERTIFICATES OF SHARES in this company will be READY to be EXCHANGED for the bankers' receipts of 10s. per share on and after THURSDAY next, Oct. 21, 1858.

London, October 14, 1858.

T. HANCOCK, Manager.

TO ALKALI AND SULPHURIC ACID MANUFACTURERS. —The ADVERTISER has had the sole management of a large manufactory for several years, and is competent to PLAN, EEECT, or MANAGE a similar concern of any magnitude, and on the most improved principles, is OPEN to TREAT with manufacturers having works at present in operation, or capitalists about to erect the same, in any part of England or abroad. Highly respectable reference as to ability and character will be given.—Communications may be addressed to "X. Y.," care of Mr. Jas. Newton Warburton, 30, Cumberland-row, Newcastle-on-Type.

TO MINE PROPRIETORS .- TO LET, the CEFN GWYN MINE, in the neighbourhood of Aberystwith. A 30 ft. water-wheel, wat-rate crushers and pumps, now on the mine and in excellent repair, m from the late leasees, for cash or shares, or partly in either mode.—For p to the Rev. Lewis Gilbertson, Jesus College, Oxford.

PARTNER WANTED, in a PROFITABLE COLLIERY recently opened, and in FULL WORK, to take an active part in the commercial tment, and to advance £1000 or £2000, as may be agreed on.

TO BE SOLD, OR LET ON LEASE, FOUR VALUABLE OAL FIELDS, on the celebrated Coleford High Deif Vein, in the Forest of Dean. TO BE SOLD, OR LET ON LEASE, the valuable MINERALS

of ANTHRACITE COAL and IRONSTONE in the ESTATE of BLAEN GARNANT, near Bettws, Carmartheu. This property adjoins the Lianeily and Liandilo Railway, which communicates with the shipping port of Lianneily.

NUMEROUS VEINS OF IRONSTONE of superior quality, knost the RHAS VACH and other associate veins of the lower measures in the So ales coal basin, situated near Ponteberene, in the Gwendreath Valley, Carmarthensh

A land-sale ANTHRACITE COLLIERY, near Lanon, Carmarthen AN EXTENSIVE COAL FIELD, near Llanelly, Glamorgan.

Apply to Mr. Joshua Richardson, C.E., Neath, South Wales

TIN MINE IN FULL WORKING, ON THE EASTERN BOUNDARY OF CORNWALL.—FOR SALE, the WHOLE, or a MOIETY thereof, to respectable capitalists. The steam-engine, with two boilers, answer all the purposes of drawing and stamping the tinstuff. The mine has made regular returns, and is in complete working order, with ample plant for many years to come. The present proprietors are few. Arrangements might be made to continue the mine under limited liability. Plans, specimens of the ore, tin bills showing the quantity thereof, and other particulars, can be furnished.—Address, "S. S. S.," Mining Journal office, 26, Fleet-street, London, E.C.

MINING MACHINERY FOR SALE,—FOR SALE, BY PRIVATE CONTRACT, a 24 in. STAMPING ENGINE, with boiler about 10 tons, fly-wheel, sweep red, axle, 16 heads of stamps, frames, lifters, &c.—For particulars, apply to Captain Osbons, Wheel Trevelyan Mine, Goldstinner, near Marazion Cornwall; or to Mr. John Watson, 13, George-yard, Lombard-street, London, E.C.

TOR SALE, BY PRIVATE CONTRACT,
WHEAL KENNEGGY MINE AND MATERIALS, consisting of a 24 inch
cylinder ENGINE, 9.2. stroke in and 8 ft. out, with a 9 tons boiler complete, with 4 in.,
7 in., and 8 in. pitwork, main rods, pump rods, ladders, horse whim, chain, kibbles,
smiths' bellows, vice, anvil, and tools, misers' tools, wood sheds, dressing house, and account-house furniture, as they now stand.—For particulars, and price, apply to Captain
Warre, or Mr. R. R. Michiela, Marazion, on or before the 25th inst.

Marazion, October 11, 1858.

FOR SALE, OR HIRE, TWO 12-in. WINDING and PUMPING ENGINES, ONE 9-in. PUMPING ENGINE, on strong word frames for portability. BOILER with fittings, 4 tons (nearly new). Also, a 20 fms. 7-in. DRAWING LIFT complete, at 6s. 3d. per cwt.—Apply to J. S. Phillips, Engineer, &c., Marazion.

FOR SALE, a 24 in. WHIM HORIZONTAL ENGINE, with) tons boiler, nearly new, in excellent condition, and drawing machine attached engine is very superior in make and condition, parties requiring one will do well ine it.—Apply to Mr. C. Wiscouse, 21, Southernbay, Exeter.

TO IRONMASTERS.—The WHOLE, or PART, of a very good MAGNETIC IRON MINE FOR SALE, on the north coast of Cornwall.—Apply to Mr. Chas. Penyound, 41, Clifton-place, Flymouth.

N.B.—A large quantity of MAGNETIC IRON ORE FOR SALE, delivered at Gloucester or Wales, at a moderate price.

SOUTH BOG MINING AND SMELTING COMPANY (LIMITED),
VOLUNTARY WINDING-UP.

SALE OF THE MACHINERY, PLANT, &c.—The LIQUIDATOR appointed to wind-up the affairs of the above company bersby INVITES TENDERS for the PURCHASE of the PROPERTY of the above-named company now UPON THE MINE, situate near Minsteriey, Salop, in One Lot. Full particulars may be had, on and after Monday, the 18th inst., upon application to this address, or to the captain on the mine, who will show the things. Tenders will not be received after the 28th inst. 10, New-street, Bishopsgate-street, London, N.E. G. PEIRCEY, Liquidator.

TIBDEN MINING COMPANY (LIMITED).—

NOTICE IS HEREBY GIVEN, that an EXTRAORDINARY GENERAL MEETING of the shareholders in this company will be HELD at the White Hart Hotel, Uttoxeter, Staffordshire, on WEDNESDAY, the 7th October inst., at Twelve o'clock at noon (when it will be proposed to adjourn the commencement of business till Two o'clock), for the purpose of confirming the special resolution passed at a meeting of the shareholders, held at the Shrewbury Arms, Farley, on the 31st of August last, adopting the Articles of Association then read, and for other general or special business.

By order of the Board of Directors, J. DICKINSON BRUNTON, Sec. 10, Regent-street, London, S.W., October 13, 1858.

THE WEST PAR CONSOLS COPPER AND TIN MINING

COMPANY.—NOTICE IS HEREBY GIVEN, that a GENERAL MEETING of the shareholders in this company will be HELD at the office, 117, Bishopsyste-street Within, London, on TUESDAY, the 26th day of October inst., at One o'clock precisely. At the conclusion of the general business the meeting will be made special, for the purpose of disposing of certain shares that have become forfeited to the company.

By order of the Committee,

J. H. MURCHISON, Sec. and Purser.

117, Bishopsgate-street, October 14, 1858.

PATENT DERRICK COMPANY (LIMITED).
OFFICES, -27, CORNHLL, LONDON.
Capital £100,000, in 2000 shares of £50 each. E. DURANT CUMMING, Esq., Lloyd's.

W. E. DURANT CUMMING, Eq., Lloyd's.
THOMAS MONON, Eag., 29, Throgmorton-street.
JOSEPH R. CROSKEY, Esq., 34, King William-street, City.
Capt. M. J., CURRIE, R.N., Vernon-terrace, Brighton.
WILLIAM BARTER, Esq., 12, Langbourne Chambers, Fenchurch-street.
LEWIS HOPE, Esq., 4, Bishopszate Churchyard.
Capt. JAMES RAWSTONNE, R. N., Abingdon Villas, Kensington.
ALBERT D. BISHOP, Esq., 9, South-crescent, Bedford-square.
SOCIETION—Charles Walton, Esq., 39, Bucklersbury.
BANKERS—London and Westminster Bank, Lothbury, London.

This company's derricks are eminently adapted, by their great power, to accomplishin expeditiously and economically every description of hoist, whether on land or water, required in Government arsenals and navy-yants, or by dock companies, shipbuliders engineers, contractors, and others; also to raising sunken and recovering stranded vessel

engineers, contractors, and others; also to raising sanken and recovering stranded vessels and their cargoes.

A large proportion of the vessels wrecked on our coasts may be recovered by the aid of the patent floating derricks, at a guaranteed rate of salvage, ranging between 25 and 75 per cent. The company have entered into an agreement with the marine insurance companies, and underwriters of London and Liverpoot, which secures to the former 75 per cent. of the next salvage proceeds (after deducting working expenses) from all vessels and cargoes, sunk prior to the date of the agreement, which may be raised and recovered by means of the patent floating derricks.

In the United States two of these derricks, belonging to the New York Derrick Company, have raised and saved upwards of 490 sunken and stranded vessels, and have like-wise hoisted and placed on board the engines and boilers of more than 390 steamers. This company commenced by paying its shareholders half-yearly dividends of 10 per cent., but since July, 1897, has requirally paid quarrierly dividends of the like amount.

The directors and their friends have taken and paid up in full shares to the extent of £40,000 of the company's stock, to enable them to construct and submit to the public one river and one sea-going derrick, both now inunched, prior to soliciting co-operation towards fully carrying out the highly important and promising enterprise for which the Patent Derrick Company, to the extent of £20,000. These shares are required to be paid as follows:—10 per share on application, and the remainder by calls of £10 each, at intervals of one month between each call.

Forms of applications for shares, and prospectuses, may be obtained by applying to the secretary, 6, J. Sharp. Eau, at the offices of the Patent Derrick Company, 77. Combit!

Forms of applications for shares, and prospectuses, may be obtained by applying to the ecretary, G. J. Sharp, Esq., at the offices of the Patent Derrick Company, 27, Cornhill

In the Court of the Vice-Warden of the Stannaries.

DARKE v. ROUTH AND CLINTON.

NOTICE IS HEREBY GIVEN, that, pursuant to a DECREE made in the above-mentioned Canee, and dated the 3d day of September last, a PUBLIC AUCTION will be HOLDEN, at the Registrar's Office, Truro, on Wednesday, 100 (6144th) SHARES of the eadd defendant Thomas Pelham Clinton, Commonily called Lord Thomas Pelham Clinton, of and in the eadd MINE.

For further information, application may be made to Messrs. Reop and Corning, solitors, Fernance; or to Messrs. Hoboz and Hockers, Policitors, Truro, Dated Registrar's Office, Truro, October 14, 1858.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

In the Canse of CARDOZO v. LOXTON AND OTHERS

NOTICE IS HEREBY GIVEN, that, pursuant to a DECREE made in the above-mentioned Cause, and bearing date the 14th day of Adress last, a PUBLIC AUCTION will be HOLDEN, at the Registrar's Office, Truro, on Wednesday, the 7th day of October inst., at Twelve o'clock at moon, for SELLING—40 (3426th) SHARES of the defendant William Harrop; and 20 (3426th) SHARES of the defendant Alfred Filmer.

Respectively of and in the said MINE.
For further information, application may be made to Mr. Josiah Berry, plaintiff's solicitor, 7f, Bucklersbury, London; or to Mr. Storkes, solicitor, Truro.

REETH CONSOLS, TOWEDNACK, NEAR LELANT

REETH CONSOLS, TOWEDNACK, NEAR LELANT.

MR. JOHN BURGESS is instructed to SELL by AUCTION, at REFTH CONSOLS, Towednack, near Lelant, on Monday, October 18, the following MINE MATERIALS:—140 in cylinder pumping engine, 9 ft. stroke, 7 ft. in shaft, with 2 excellent boilers, 18 tons; 1 22 in. cylinder winding engine, 6 stroke, 7 ft. in shaft, with 2 excellent boilers, 18 tons; 1 22 in. cylinder winding engine, 6 double, 8 ft. stroke, cage and stand, with 1 boiler, 8 tons; 2 Capasians, and 2 60 feet leg shears; 120 fathons of 9 inch capstan rope; 11 inch, 10 inch, 7½ inch plunger poles and stockings; 1 9½ inch working, 1 9 inch, 2 5 inch, 2 5 inch, 2 inch,

PORKELLIS UNITED MINES, WENDRON M

PORKELLIS UNITED MINES, WENDRON MOORS.

MESSRS. GADSDEN, WINTERFLOOD, AND ELLIS have received instructions to SELL, BY AUCTION, in One Lot, without reserve, at the Mart, opposite the Bank of England, on Tuesday, October 19, at Twelve for One Octock, F.M., precisely, the PORKELLIS UNITED TIN MINES, situated at Wendron Moors, near Helston, Cornwall, together with the whole of the valuable MACHINERY and MATERIAIS, comprising a capital 66 in. cylinder PUMPING ENGINE, a STEAM WHIM by Sims, and begier; a STEAM STAMPING ENGINE, with two bollers; 60 stamps on five axies, two water-wheels, stamps and gear complete, plunger-lifts, pumps, flat and round rods, iron, timber, coals, and all usnal plant on mines of great rangoitude. May be viewed by application to Mr. D. G. GOATEX, at the offices of the company, 31, Threadneedle-street. Particulars may also be obtained at the Mart, and at Messrs. GADSDEN, WINTERFLOOD, and ELLIS's offices, 18, 0ld Broad-street.

CARMARTHENSHIRE

MR. BENJAMIN JONES WILL SELL, BY AUCTION, at the

Thomas's Arms, Lianelly, on Tuesday, the 19th day of October, 1858, at Three in the afternoon precisely—
1.—All that capital MESSUAGE, TENEMENT, and LANDS, called TYN-Ysituate in the Vale of Gwendraeth, in the parish of Lianelly, now in the occupa-Thomas Trelazue, at the rent of £55 per annum.

2.—All that MESSUAGE, TENEMENT, and LANDS, called DYSGWILFA, in the same vale and parish, and in the eccupation of Win. Jones, at the rent of

The above farms abound in rich veins of coal and iron ore, and adjoin each other.
For particulars, apply to Mr. WALTER LLOYD, solicitor, or Mr. BENJAMIN JONES, auctoneer, Carmarthen.

TO RAILWAY COMPANIES, CONTRACTORS, IRONSTONE, LIME, AND COAL MERCHANTS, AND OTHERS. SALE OF FIFTY SIX-TON NARROW GUAGE RAILWAY WAGONS.

MESSRS. RODERICK AND SON WILL SELL, BY AUCTION. ALL SELIA, BY AUCTION,

at the Soho Carriade Works, adjoining the Soho station, near Birmingham, on
the Stour Vailey Railway, on Wednesday, Oct. 27, 1858 (and not on Tuesday, Oct. 26, as
previously advertised), at Twelve o'clock at noon, subject to conditions to be their read,
FIFTY capital six-ton NABBOW GUAGE RAILWAY WAGONS, unitable for the carriage of coal, ironatone, red ores, &c., built by Mr. W. A. Adams, with side doors, breaks,
wrought-iron wheels and axies. The above most excellent and substantially built wagons
are in good repair, and fit for immediate use, and may be viewed at the above works on
the preceding and morning of sale.

For further particulars, apply to the auctioneers, Birmingham

COLLIERY PLANT.

COLLIERY PLANT.

M.R. FLETCHER respectfully informs the public that he is instructed by Messrs. Wild, Haigh, and Co., to SELL, BY AUCTION, in Lots, on Wednesday, October 77, 1898, on the premises, TONGE COLLIERY, near Middleton, Lancashire, the WHOLE of the extensive and very valuable COLLIERY PLANT, including—ONE CONDENSING PUMPING STEAM ENGINE, cylinder 66 in. diameter, 8 ft. stroke, about 160 horse power. ONE ditto 14 horse power.

FOUR HIGH-PRESSCHE STEAM ENGINES, 4, 8, 16, and 20 horse power.

THREE CYLINDRICAL STEAM BOILERS, with two flues through, two of them 30 ft. long and 7 ft. diameter each, and one 24 ft. long by 7 ft. diameter.

ONE BUTTERLEY BOILER, 24 ft. by 8 ft.
ONE CYLINDRICAL BOILER, 25 ft. by 5½ ft. And ONE ditto ditto 25 ft. by 5 ft., both with eag ends.
Pump trees, from 18 to 8 in. diameter; working barrels and clack pieces; one belimetal working barrel, 9 ft. long, 17 in. diameter, and 1½ in. on flange; two ram pumps, 12 and 1 ditto 15 in. diameter; capstans and ropes, headstock, tiplers, a large quantity of rails, plates, and pointers, chains, rods, pulleys, and cast and wrought scrap iron; iron cages; two iron buckets for winding water, 240 gallons each; about 260 three-basket wagons, wire-ropes, blocks and ropes, smiths' bellows and tools, &c. The BUILDINGS will also be disposed of in convenient Lots. Tonge Colliery is situate on the turapike-road, about one mile from Middleton and three from Oldham; it is within a few hundred yards of the Middleton station of the Lancashire and Yorkshire Railway, and about the same distance from the canal.—Catalogues may be had, on and after the 23d, on application to the auctioneer, Clegg-street, Oldham.

EXTENSIVE HON-WORKS IN SCOTLAND FOR SALE. EXTENSIVE IRON-WORKS IN SCOTLAND FOR SALE.

UPSET PRICE FURTHER REDUCED TO £20,0

THERE WILL BE EXPOSED TO PUBLIC SALE, within the THERE WILL BE EXPOSED TO PUBLIC SALE, within the Faculty Halt, St. George's-place, Glasgow, on Wednesday, the 20th day of Oct., 1858, at Two o'clock afternoon, the extensive and valuable IRON-WORKS, known formerly as the Nithsdale Iron-Works, and now as the NEW CUMNOCK IBON-WORKS, situated in Ayrshire, and within two miles of the New Cumnock station of the Glasgow and South-Western Railway, with which they are connected by a branch line, and consisting of THEEE BLAST FURNACES, lately erected, upon the most improved principles; TWO BLOWING ENGINES, condensing and working expansively, with stamplies of the Constant o

HOURES, we.

The furnaces and all the buildings are erected on feuer ground, or whereals, in the immediate neighbourhood of the works, and it is thought that leases of these could be arranged with the proprietors on favourable terms for a purchaser. The Glasgow and Sonth-Western Railway affords ready and cheap means of transit to the various shipping ports in the Firth of Clyde, as well as to Glasgow on the north, and England on the south. Immediate entry can be given.

For further particulars, apply to the liquidators of the Western Bank of Scotland, Glasgow; HAMILTON ROSE, writer in Curmock, Ayrahire; WALTER MACKENZIE, accountant in Glasgow; J. ALLAN, writer, Glasgow,; or to BANNATINES and KHERWOOD, writers, Glasgow, in whose hands are the title deeds and articles of roup. Wm. MCRAE, writers, Glasgow, near the works, will show the works. es and all the buildings are erected on feued ground, of which there are about are is an abundant supply of ironstone, coal, and other minerals, in the im-

NEW ZEALAND.

ROR SALE, BY PRIVATE CONTRACT,

Affording an opportunity to the monied speculator rarely met with.

Kawan, which contains about 5000 acres, is of freehold tenure, and situated on the east coast of the Northern Island of New Zealand. It is distant some 30 miles to the northward of Auckland (the capital) and two miles from the mainland, and forms one of the principal leading points for vessels entering the Houraki Guif, or Frith of the Thames.

The strait between it and the main land affords safe anchorage and favourable navigation for boats and small vessels, and the extensive natural harbour of Bon Accord, which runs about two miles into the centre of the island, is of sufficient depth and safety to shelter a considerable face of vessels.

The island contains copper, and mining was formerly carried on to a considerable extent. There are numerous bays and inlets in the island, surrounded with inxuriant vegetation, supporting a large number of wiid and tame cattle.

Further particulars may be had, and offers in writing will be received, at the offices of the North British Anstrainsian Company (Limited), to whom the property belongs. A royalty will be reserved on all minerals which may be found on the property.

By order, DAVID BUDGE, Sec.

27, New Broad-street, London, E.C., September 16, 1858.

TO BE SOLD BY PRIVATE CONTRACT, the undermentioned ENGINES and WHIMSEYS.—For particulars and price, apply to Mr. WILLIAM HADEN, Dixon's Green, Dudley.

PUMPING and WINDING CONDENSING ENGINE, Cylinder 38 in. diameter, stroke, 5 ft. 6 in. Two Lifts of PUMP TREES, 60 yds. each, one 8½ in., the other 8½ in. diameter, winding Gene, &c., with two Bollers.

PUMPING CONDENSING ENGINE. Cylinder 53 in. diameter, stroke 7 ft. 6 in. Two Lifts of PUMP TREES, 65 yards each, one 12 in., like other 12½ in. in diameter, with two Bollers, &c., &c.

wo Bollers, &c., &c.
The above two Engines may be seen at work.
Also, four Colliery WHIMSEYS, with Bollers and Winding Gen.

The core segments the core segments the core segments. The pain all rental and segments to the core of the core of

UCT. 16, 1858.

T B E S A V E A N U N I T E D M I N E S, SITUATE IN THE PARISH OF GWENNAP, IN THE COUNTY OF CORNWALL.

COUNTY OF CORNWALL.

Capital £25,000, divided into 1250 shares, at £20 per share.

These mines comprise the setts of Treasvana, Trethering, Trethelian, Brewer, Wheal Camfort, West Treviskey, and all the Barrier setts that were reserved between these mines the whole of which are granted for a term of 21 years, at 1-20th done for all ores nised at and above the 100 fm. level, and 1-30th for all ores rised below that level. The first instalment of £4 per share upon every share disposed of to be paid by each purchaser on allotment, into the banking honse of sizedilivers of Treasvana United Mines.

The distribution of shares to be continued until the share list is completed, when the gragness meeting of the adventurers will be called, for the purpose of allotting the charm, and the adoption of necessary measures for the prosecution of the mines. Shares to be transferable after the payment of the first instalment, without the seller being liable to the payment of the remainder of the instalments.

To be conducted on the "Corr-acon Princepta."

The cost and expenses of the materials, leases, &c., and equivalent for the preliminary games incurred on the property, to be determined on at the first meeting of the adventurers.

The cost and expenses of the materials, leases, &c., and equivalent for the preliminary appeals incurred on the property, to be determined on at the first meeting of the advengers.

The parts of the mines called Tresavean and Tretharup have been worked by the late significant of the mines called Tresavean and Tretharup have been worked by the late significant of the mines of the profits of the control of the profits of the control of the profits divided at two former workings. The greater part of the ores were sided from one lode, commonly called the old lode.

There are many other lodes comprised within the limits of these setts, on some of which very little has been done.

Magor's lode is about 60 fims, south of the old lode; it has produced good bunches of exper ore at and above the deep adit level, and yielded good profits. The deep adit is a fim, below the surface, and Magor's shaft is down 27 fims, below that adit, and a level standard on the lode 30 fims; the lode in this distance varies from 1 to 3 ft. wide, consisting small bunches and stones of rich copper ore, but not in sufficient quantity to pay by working. The deep adit is driven east of 70 fms, in length, its 2 feet wide, both 15 ms, above the deep adit is a level is driven east of Teague's shaft, which has polited good quantities of ore. Also at 20 fms, above the adit a level is driven east of between the strength of the shaft about 40 fms, west of the killas, parallel with the old lode, with was very rich in its nature, composed of blende, silver-lead, copper, and quartz; the end of the lovel of the strength of the district of the old of the wind was very six tans, sold for £21,046, averaging nearly £3 los, per ton. I have no doubt a little day on this lode will produce satisfactory results.

Michael's tode is nothed, averaging nearly £3 los, per ton. I have no doubt a little day on this lode will produce satisfactory results.

Side and the strength of the same cross-course; it has produced great quantities of ore paid about 16 fms, below this

diving the level.

earl Comfort lode is 80 fins. north of Caddy's lode; it is a very promising lode, leal Comfort lode is 80 fins. north of Caddy's lode; it is a very promising lode, reduced great quantities of low produce ore, and has yielded at times good lar so fore, but, on the whole, has not paid the expense of its working; but there in immense quantity of untried ground on it, and by proper development it mig

ins produced great quantities of low produce ore, and has yielded at times good large lambes of ore, but, on the whole, has not paid the expense of its working; but there is still an immense quantity of untried ground on it, and by proper development it might lead to good results.

The old lode has been wrought to the depth of 310 fms. below the deep adit, and this jevel extended cast of the old east shaft 15 fms.; the lode in this level is about 2 feet wide, containing stones of ore; the strata are a black frony kind of green stone, capels, and finty granities, of an unproductive character for producing much copper ore.

At the levels above the 310, as high as the 166, are driven east into poor ground, and the relative away, but all the levels driven west of the old east shaft are on a north level, leaving the real lode standing to the south of all the levels and old workings.

The 166 is driven east to the boundary' of Tresavean selt, and into the killas; in which stratum the lode produces no ors. The granite underlies the killas on an average about 7½ fit. In a perpendicular failtom.

The 166 is extended west of Williams's engine-shaft 44 fms., or 274 fms. west of the old east shaft; in this level, 32 fms. west of Williams's engine-shaft, a cross-cut is diviven such about 20 fathoms, and intersected a lode, and this level extended on the lode west is fms.; this lovel average in which from 1 to 2 feet, having a very kindly appearance, containing bunches and rich stones of yellow and grey copper ore, in beautiful friable granite and elvan strata. A cross-cut has also been driven in the 156 fm, level, 32 fms. west of the about 30 fms., the lode varying from 1 to 3f, wide, yielding great quantities of ore. A winze has been sunk on the lode from this level down to the 166 through a good lode of ore; more than 300 tons of copper ore, worth on an average £7 per ton, have been missed and sold from a few fathoms of ground; and only a few days after this was done, the water got up and inundated the workings, when the

osit east of the old east shaft.

At the 136 fin. level a cross-cut has been driven south on a large cross-course, not car
ging either wall with it: no lode bas been seer; this cross-cut is in 20 fathoms, an
o doubt it has passed the lode unseen, as lodes in general seldom appear in larg

At the too m, tevel a cross-cut has been driven south on a large cross-course, not carrying either wall with it: no lode has been seep; this cross-cut: is in 20 fathoms, and no doubt it has passed the lode unseen, as lodes in general seldom appear in large ross-courses.

There cannot be a shadow of doubt, as I before said, but that this south lode is the real Treavean old lode, and is now standing in whole ground to the south of all the old workloss from the old east shaft to the western boundary of the Treavean sett, which is more less 1900 fms. in length, and 2900 fms. in height, it is very plainly to be seen at the old some an 1900 fms. in length, and 2900 fms. in height, it is very plainly to be seen at the old sow. All the levels and workings west of that shaft are on a north lode, and the ores of a very different character, corrupted very much with blende and mundic, and of low points, whereas, the ore on the south lode is of a rich quality, and but little corrupted. There are still on the north lode great quantities of orey ground; by giving the tributers a little encouragement to get the ground opened out, so as to roturn sufficient quantities or, it will pay expenses, and yield profits.

They are still on the north lode great quantities of orey ground; by giving the tributers a little encouragement to get the ground opened out, so as to roturn sufficient quantities or, it will pay expenses, and yield profits.

But it must be borne in mind that the Treasvean Mine has been working by the late company 40 years, and for the late 10 years almost exclusively by tributers, who have been working by plinage and wreck to suit heir immediate purposes, but this is an evil capable of remedy.

The great object is in the development of the south lode, having the advantage in driving cross-cuts from a lode of ordinary value, must be immense.

All the above-named mines have intercourses and communications of their deep levels, or hand a lode of ordinary value, must be immense.

All the lodes in these mines. By having t

The old lode is now proved beyond a doubt to be standing in whole ground to his west of the old east shaft for more than 300 fms. In length and 200 fms. In height, and a course of ore worth 60t, per fms., at the very extreme point of the workings, all, in unexplored gound, which is a discovery, in my opinion, that will puzzle the imagination of the best qualified miner to calculate the results. Suffice it to say, that it is my real belief, if these mines are judiciously managed, they will be the greatest and most productive mines in the county of Cornwall; in fact, though I have stipulated the amount of capital at 25,500, I do not believe that one-half of that sum will be required, and in all probability be as prosperous and as rich as ever they have been. WILLIAM MARTIN.

I beg to hand you a prospectus and report of Tresavean United Mines. Should you be inclined to take an interest in these mines, please inform me how many shares you will take, or any less number, to be determined on at the first meeting of the adventurers. Formal notice of the meeting will be sent to those only who signify their intention of taking an interest. The advertisement calling the meeting will appear in the Mining Journal, West Briton, and Cornwell Gasette.

As a large number of the shares are already subscribed for, an early application is necessary, which may be done to Capt. William Martin, Tresavean United Mines, near Redwith, Cornwall.

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TAVISTOCK-WILLIAMS'S GEOLOGICAL MAP of this district is NOW PUBLISHING, at One Guinea per copy. This map, wide by 6 ft. long, and will be printed in eight parts. From the size of the map equisite they should be mounted on cloth. Any gentlemen who have kindly favour a with their orders, or those intending to subscribe, and wishing them mounted, at so bound with silk, with top rail and roller (mahagany), may have it done for It first if deal stained, and as above, 9s.; upon intimating such to Mr. R. Middlero sing Journal office; of to Mr. C. Williams, Taylstock.

WAGONS.—WILLIAM A. ADAMS AND CO. MIDLAND WORKS, BIRMINGHAM. BROAD AND NARROW GAUGE COAL AND IRONSTONE WAGONS.

IN STOCK-FOR SALE OR HIRE. THE RAILWAY CARRIAGE COMPANY,
OLDBURY, NEAR BIRMINGHAM.
MANUFACTURERS OF EVERY DESCRIPTION OF RAILWAY PLANT AND
INCOMPORK.
NEW AND SECOND-HAND RAILWAY WAGONS ALWAYS IN STOCK
FOR SALE OR HIRE.
LONDON OFFICES,—34, GREAT GEORGE STREET, WESTMINSTER.

THE BIRMINGHAM WAGON COMPANY (LIMITED) HAS
RAILWAY WAGONS FOR HIRE.
Apply to the SECRETARY, 3, Newhall-street, Birmingham.

JOHN ROGERSON AND CO., NEWCASTLE-ON-TYNE, AND MIDDLESBEO-ON-TEES.
PIG, BAR, PLATE IRON, CHAINS, ANCHORS, FORGINGS, GIRDERS, PIPES, FOUNDRY WORK.
LONGRIDGE'S WEST HARTLEY STEAM COALS (on the Admiralty List).
COKING, GAS, HOUSE, AND SMITHE COALS, COKE, FIRE-BRICKS, &c.

JOHN H. PECK, MANUFACTURER OF RAILWAY OIL COVERS, CART AND WAGON COVERS, OR. CLOTH, STACK COVERS, BOAT SHEETS, TARPAULIN, BRATTICE CLOTH, COKE AND CORN SACKS, POTATO BAGS, TWINE, &c., WIGAN. LONDON AGENT.—T. E. WELLER, 16, Duke-street, Adeiphi.

MORRIES STIRLING'S PATENT CAST AND MALLEABLE
ROLLS, PINIONS, RAILWAY WAGON WHEELS, ENGINE CYLINDERS, HYDRAULIC CYLINDERS, and for all purposes where a strong dense from is required,
CAN BE PROCURED of the following brands:—

HOBBLEY COMPANY.

AN BE PROCURED of the following brands:

DUNDIYAN.
FORTH COMPANY.

RUSSELL'S HALL, &c.

RAILS OF (OR SURFACED WITH) PATENT HARDENED IRON, CAN BE REDERED direct from the following WORKS:

PAREGATE.
LLOTDS, FOSTER, AND CO.
CWM CELYIN AND BLAINA.
HAWES, CRAWSHAT, AND CO.
MONELAND.

MONELAND.

MONELAND.

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HOMBERT.

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RED direct Honor Co.
PAREGATE,
LLOTDS, FOSTER, AND CO.
CWN CELYN AND BLAINA.
HAWES, CRAWSHAY, AND CO.
MONELAND.

For durability, these rails have never been surpassed. They wear out several sets fordinary rails, and do not laminate.
Full information, and terms for use of patent right, can be obtained of Messrs. Connell and Horz, 3, Princes-street, Westminster; and of Mr. S. Thornton, Bradford-street, Birningham. Mr. Thornton also receives orders for Mr. Morries Stirling's Patent Iron & Rails.

CALVERT'S PATENT PROCESS FOR MAKING COKE AND
IRON FREE FROM SULPHUR.
For LICENSES to USE the above process, apply to Robert Longbon, Jun., 63, King

street, Manchester.

FOR APPLICATION of the PATENT to GAS WORKS, apply to Mr. George TRICKETT Exchange Chambers, Manchester.

NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.
STEPHEN BARKER begs to inform the Trade that he has the following articles

REFINED METALLIC NICKEL. | OXIDE OF COBALT. [WIRE, &c REFINED METALLIC BISMUTH. | OERMAN SILVER—IN INGOTS, SHEET NICKEL AND COBALT ORES PURCHASED.

LEAD FOR EXPORTATION.—PIG-LEAD (hard and soft) SOLD at LOW RATES. The BEST PRICE given for LEAD ASHES, &c., and OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

STEAM COLLIERY—TO MERCHANTS AND SHIPPERS.—
AN OPPORTUNITY NOW OCCURS, by the retirement of the principal proprietor, FOR SECURING, on easy terms, ONE-HALF INTEREST in one of the most promising STEAM COLLIERIES in South Wales. The coal is known in the trade as a first-class steam fuel, of remarkable purity and high evaporative power. It is admitted promising STEAM COLLIERIES in South Wales. The coal is known in the trade as a first-class steam fuel, of remarkable purity and high evaporative power. It is admitted on the lists of the Admiralty, the East India House, and the Imperial French Marine. The present yield is equal to 300 tons a day, with a capability of increase to 500 tons from a single pit. Loading in the railway wagons from the pit's mouth, and cheap transport to the shipping port. The payment of a large portion of the purchase may be spread over several years, and be realised out of the profits of the concern.—Principals, or their solicitors, only to address "Canson," care of Mesars. Desborough, Young, and Desborough, solicitors, 6, Sise-lane, Bucklersbury, appointing an interview.

TEAM ENGINES AND BOILERS OF ALL CLASSES, and for MINING, MANUFACTURING, or OTHER PURPOSES, TOOLS, MACHINERY (Cotton, Woolier, Firs, or any other description), RAILWAY, and OTHER PLANT, NEW or SECOND-HAND, may be had on the shortest notice, on application to Mr. Wuratley Kirk, Mills, Works, Engineering Machinery, and General Agent, Auctioneer, and Valuer, Cross-street Chambers, Manchester.

STEAM ENGINE FOR SALE.—WILL BE SOLD A BARGAIN, the owners requiring the space which it occupies, a 45 horse power HIGH-PRESSURE HORIZONTAL DOUBLE CYLINDER STEAM ENGINE, particularly suitable for a flour mill, or for pumping purposes.—Apply by letter only, 88 Midland Counties Herald office, Birmingham.

STEAM ENGINES FOR SALE.—TO BE DISPOSED OF a very superior HIGH-PIESSURE HORIZONTAL ENGINE, of 19 horse power, 16 in. cylinder, and length of stroke 2 ft. ONE of 24 horse power, 16 in. cylinder, and length of stroke 3 ft. TWO of 28 horse power, 17 in. cylinder, and length of stroke 3 ft. And TWO 38 horse power, 20 in. cylinder, and length of stroke 3 ft.—For further particulars, and terms, apply to Messrs. PAGE and CAMERON, auctioneers and land agents 64, Old Broad-street, London, E.C.

ROTARY STEAM ENGINE AND SPARE MATERIALS. TO TARY STEAM ENGINE AND SPARE MATERIALS.—
TO BE SOLD. BY PRIVATE TREATY, an excellent ROTARY STEAM ENGINE, of 12 and 22 in. cylinders combined, with condensing cylinder, on a strong fron framing, good main beam, heavy fly-wheel, and drawing cage, very compact, and in first-rate condition, with a 10 tons boiler. Also sandry lifts of pumps, 8 in. working barrels complete, three 20 in. 9 ft. pumps, pullies, chains, smiths' beliows, and useful iron, not being required for the future working, having a powerful water-wheel and materials sufficient.—To view, apply to Capt. J. Gifford, on the Wheal Crebor Mine, near Tavistock, and for price, &c., to Mr. H. E. Chokers, & Frankfort-street, Plymouth; or to Jenu Hitchins, mining agency offices, No. 8, Finch-lane, London.

MESSRS. R. & J. COUPE, ENGINEERS and IRONFOUNDERS MANUFACTURERS of HORIZONTAL HIGH-PRESSURE STEAM-EN. GINES, from 10 to 200-horse power; the larger description of engines mounted with their inferional Equilibrium slide furious value, which has proved itself so eminently adapted for winding and other engines.

Clayton Foundry, Wigan.

CONDIE'S PATENT STEAM HAMMERS, from 10 cwts. to 7 tons, suitable for jobble forges, pudding forges, and the smith's shop of engineers, ship-builders, wagnout builde agricultural implement makers, railway and steam navigation companies, &c.—Government of the foreworks, Glascow.

STEAM PUMPS, FOR LAND AND MARINE PURPOSES
SINGLE or DOUBLE ACTING; sizes from 2½ to 12 in. diameter, and from 4 to
18 in. stroke; by JOHN CAMERON. Used for feeding boilers, raising water (for reservoirs, tanks, irrigation, &c.), turning power, or as a steam fire engine.
Works, Egerton-street, Hulme, Manchester.

I SLE OF MAN.—BEST CONVENIENCE for TIPPING, only fifteen yards from the sea. Any quantity of metal, and proved to be the bethe world. Vessels could be loaded at the quarry. It comprises about three milength, and one in breadth. Good cart road to the slate quarry, and only the one quin the island.—Joseph and Robert Roberts, Peel, Isls of Man.

INCRUSTATIONS IN STEAM BOILERS are EFFECTUALLY REMOVED and PREVENTED by USING EDWD. MUFF'S COMPOSITION.—Testimonials, with directions for use, may be had at Tyersall Hall, near Bradford, hy post or otherwise, where orders and communications will receive prompt attention.

VENTILATION OF MINES.—The ATTENTION OF PROPRIETORS of MINES is CALLED to LEMIELLE'S PATENT VENTILATOR, capable of exhausting 15,000 to 120,000 cubic feet of air per minute, at a trifling cost.—Apply for particulars to Mr. T. Laurent, 19, Eddon-aquare, Newcastle; Messrs Morton and Co., Leeds; or Mr. Testulat, 4, Stow-hill, Newport, Monmouthshire.

COTTON PRESSES, ON AN IMPROVED PRINCIPLE, for the interior of Africa and India, WOOL and HAY PRESSES, double or of the interior of Africa and India. WOOL and HAY PRESSES, double of single-acting. Also MINING MACHINERY, and TOOLS of EVERY DESCRIPTION at J. WALKER'S, 17, Cowper-street, City-road, E.C.

CORNISH CRUCIBLES.—JOHN JULEFF, CORNISH CRUCIBLE MAKER, FORE-STREET, REDRUTH, CORNWALL (inte No. 5, Bullers-row). JEWELLERS, SILVERSMITHS, METALLURGISTS, and ASSAYERS' CRUCIBLES OF ALL SIZES. BLACK LEAD POTS, COVERS, MUFFLES, CUPELS, &c., OF EVERY DESCRIPTION, AND MADE TO ORDER.

TURNACES IN ENGLAND, IRELAND, SCOTLAND, AND ELSEWHERE [LAND or MARINE], MADE to PREVENT SMOKE and ECONOMISE COAL, &c., by the PATENT REGULATING AIR-DOORS, delivered in Loudon at £12 12s, each. ENTIRE COST COVERED BY SAVING OF FUEL IN A FEW MONTHS. The patentee will feel much obliged for information of any infringement of his right, by fraudulent imitation or otherwise.

J. Lee Stevens, 1, Fish-street-hill, London, E.C.

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512 Wheai Jane (silver-lead), Kea	1024 New When 4000 New Wh.	al Frances, Iliogan 6 Vor & E. Wh. Metal 2 al Vaddon 0 ler (cop.), Redruth 13	10 0 16s		22500 Australasia 10000 Bank of Egypt 20000 British North Am	25 0	0 90 86 8 0 2314 2414 0 57 57 5
1024 Wheal Kitty (tin), Uny Leiant [S.E.] 1 7 2 9 734 834 6 0 0 1 0 0—Sept. 17, 1857. 430 Wheal Lovel (tin), Wendron 33 0 0 7 31 0 0 1 0 0—Sept. 5, 1856. 448 Wheal Margaret (tin), Uny Leiant 1915 0 60 57 59 90 0 2 210 0—Aug. 25, 1858.	2000 North Dog 2000 North Dow 2500 North Fra	rns (cop.), Camb. 1 rns (cop.), Redruth 5 nces, (cop.) [S.E.] 8	6 6 5 % . 17 6 2 . 10 0 8 .		32200 Chartered Bank of Australia, and C 4500 City	50 0	0 64 58 6
80 Wheal Owies, 8t. Just, Coruwail 70 0 360 225 13 0 5 0 0—Aug. 29, 1868. 240 Wheal Reeth (tin), Uny Lelant 39 10 0 27 \(\) 40 10 0 3 0 0—Aug. 23, 1852. 189 Wheal Seton (tin, copper), Camborne 107 0 130 286 10 0 2 0 0—Oct. 12, 1857.	120 North Lax 2000 North Levi	mbier, Redruth 1 ey (id.) Isle of Man 50 aut(tin,cp.) St. Just 6 iera	5 0 1 . 0 0 55 . 10 0 516 .	:	25000 Commercial of Lot 25000 Eng., Scot., & Aus 35000 Lon. Chartd. Bank 6000 London and Count 20000 London and Count		
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[* Dividends paid every two months. † Dividends paid every three months.] FOREIGN MINES.	4240 North Who	cal Trelawny (lead) 2	10 6	3% 4% 3% % %	25000 New South Wales 50400 Oriental Bank Cor 25000 Ottoman Bank 20000 Provincial of Irela	and 25 0	0 19 19 2
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10000 Lasitanian (of Portugal) [S.E.] . 1 15 0 1 dis . 1½ 1 dis . 0 8 9 0 2 6—June 10, 1868. 108815 Mariquita and New Granada [S.E.] . 1 0 0 1 3 1 0 6 6 0 1 6—July 29, 1858. 10500 Ponticionad (silver-lead), France [S.E.] 20 0 0 6 4 6 1 0 0 1 0 0—June 26, 1855.	4945 Pendeen C 512 Penhaidar 5000 Penhails (Consols, St. Enoder. 2 Consols, St. Just 2 va (lead) 4 tin), St. Agnes 1	5 0 40	.3% 3%	350 Atlantic Telegraph 20000 Australian Agricu	h [L.] £1000 0	0 320340 8
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_e Our object being to make the Share List correct, we earnestly call upon all who have the power, to aid us, by forwarding any alterations or correction which may, from time to time, enone under their notice. Reports from mines—in fact, mining information of every description, forwarded to our office, will meet ready attention.

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